

Muhammed Shaheen

Software Developer

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Innovative Computer Science Engineer with expertise in software development, data structures, and algorithms. Skilled in multiple programming languages and database management. Proven problem-solver with experience in projects, dedicated to leveraging technology for business success and improved user experiences.

Key Competencies:

- Strong communication skills, adaptability, and a willingness to learn.
- Ability to work effectively in a team environment and communicate technical concepts.
- Strong problem-solving and analytical skills coupled with accuracy.
- Good understanding of Object-Oriented Programming principles.
- Experienced in NoSQL databases like MongoDB and database design.
- Effectively managing multiple projects and consistently meeting deadlines.
- Knowledge of fundamental algorithms and data structures.

Work experience

Developer 1- Software Engineering

04/2024 - Present

UST

Responsibilities

- Currently undergoing comprehensive training in software engineering principles and practices.
- Gaining hands-on experience in Java, while parallelly indulging in Object Oriented Programming (OOP) practices.
- Studying data structures and algorithms to enhance problem-solving capabilities.
- Studying basics of SQL using JDBC (Java Database Connectivity).
- Completing assignments by applying the skills acquired during training sessions.
- Enhancing knowledge of coding standards, version control systems (e.g., Git), and collaborative development environments.

Projects

E-Vote (<https://e-votesite.netlify.app>)

Developed a secure, transparent online voting system using MEAN stack and blockchain technology.

- Clean, minimalistic voting platform where users can vote for elections relevant to their institution.
- Users (Voters) are pre-authorized by election admins prior to voting ensuring credibility of votes.

- Platform is created using the MEAN (MongoDB, Express.js, Angular.js, Node.js) stack and Bulma.css.
- Votes and Candidate data is stored on the blockchain ensuring transparency and security.
- WebAuthn standard is applied to the project ensuring a safe and secure user authorization process.

E-Workshop

Created an online on-road assistant using Django to connect users with mechanics, freelancers, and service centres seamlessly.

- Platform where users can send a request to nearby (5km radius) freelancers, mechanics or service centres for assistance in times of need.
- Helps users to get assistance in unfamiliar places.
- Platform is created using Django and tailwind.css is the styling framework used.
- Data is stored on an SQLite database.

Achievements

- Secured a position as Developer 1- Software Engineering at UST. through their campus recruitment drive.
- Improved database query performance by 40% through optimization techniques and restructuring SQL queries in academic project.
- Developed a fully functional object-oriented application for managing student records, enhancing user experience with a clean and efficient interface.
- Led a team of 4 in developing an online voting system, applying OOP concepts to ensure maintainable and scalable code, resulting in a high grade and positive feedback from faculty.
- Led a team of 5 as the IEEE SB CEP Design Team Lead, consistently delivering design solutions for posters and video projects.
- Demonstrated leadership as General Secretary by supporting the senate and assisting the chairperson in decision-making processes.

Extracurricular Activities

General Secretary

2022-2023

College Senate, College of Engineering Poonjar

- Prepared reports, requests and other such duties for various senate decisions and programs.
- Acted as a positive role model for all students and worked with new students to address their concerns and help them liaise with faculty members to improve the college and made sure to keep their concerns heard.
- Actively worked for the collective decisions made by the members of the college senate.
- Took down minutes of senate meetings and advised the senate on various matters.
- Guided the senate Chairperson in matters of funding and other important decisions.

Design Team Lead

2022-2023

IEEE SB, College of Engineering Poonjar

- Coordinated with fellow design team members to produce various designs for all the events of the SB Executive committee on time.
- Guided design team members and helped them get acquainted to the working of the design team

Active IEEE Student Member

IEEE SB, College of Engineering Poonjar

- Participated in various IEEE events to gain better networking opportunities.
- Explored various technical fields, by participating in workshops, seminars and interactive sessions.
- Explored various IEEE standardized papers to update knowledge about fields of cloud computing, cybersecurity and machine learning.

College Website Committee Member

College of Engineering Poonjar

- Contributed towards inclusion of photos and other content for the website.
- Contributed to working to build a new college website using MERN stack.
- Discussed various points pertaining to the development of a new college website.

Educational Qualification

Bachelor of Technology in Computer Science & Engineering

College of Engineering, Poonjar (APJ Abdul Kalam Technological University)

10/2020 – 06/2024

Class XII (Science Stream)

India International School, Sharjah

05/2020

Certificates

Introduction to Critical Infrastructure Protection – OPSWAT Academy

Database Operations in MariaDB using Python - Coursera

Developing Back-End Apps with Node.js and Express – IBM (Coursera)

Django Web Development with Python - Udemy

Fundamentals of Computing using Python - NPTEL

Technical Skills

- Java
- Node.js
- AngularJS
- Figma
- HTML/CSS
- JavaScript (ES6)
- React
- TypeScript
- Python
- SQL (MongoDB, MySQL)
- Adobe Photoshop
- MS Office

Personal Information

Nationality: Indian

Date of Birth: 01/06/2002

Languages: English, Hindi, Malayalam, and Arabic

Visa status: Residence visa (Father's sponsorship)

Driving License: Valid driving license holder