Zakir Mohammed

Software Engineer

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Innovative Computer Science graduate with hands-on experience in full-stack development, data analysis, and project leadership. Proven ability to design and deploy technical solutions-such as a Stadium Booking System, Air Traffic Control Simulation, and Android-based Library App -using Python, Java, C, C++, and MySQL. Passionate about optimizing systems, analyzing data (e.g., cricket performance clustering), and collaborating in Agile environments. Seeking a Software Developer/Engineer role to leverage technical expertise, problem-solving skills, and a growth mindset to deliver impactful solutions.

Education

B.E in Computer Science and Engineering
Yenepoya Institute of Technology, Mangalore, December 2020 - July 2024

Pre-University Course
M.G.M P.U College, Udipi, June 2018 - September 2020

SSLC
Al lhsan Academy School, Muloor, April 2018

Technical Skills

Programming	Python, Java, HTML, CSS, C, C++
Tools	VS Code, PyCharm, Eclipse, Git, Jupyter
Libraries	TensorFlow, scikit-learn, pandas, numpy
Platform	Android, Github, GoogleColab
Operating Systems	Windows, Linux (Basic)

Internship

Fratello Innotech PVT LTD, Hyderabad Intern   August 2023 - September 2023

- Developed and maintained backend modules using Java and MySQL.
- Designed and tested REST API endpoints to support application features.
- Participated in Agile sprint planning and task tracking using Jira.
- Collaborated with team members via Git and followed proper version control practices.

- Executed unit testing to ensure code quality and reduce bugs.

- Debugged backend issues and optimized performance in existing modules.

- Contributed to writing clean, modular, and well-documented code.

Projects

Cricket Player Analysis Using Clustering | 2024

- Applied clustering algorithms on player data using Python.

- Utilized Pandas, Matplotlib, and Seaborn for data visualization.

- Prototyped CI/CD pipeline for testing and version management.

Library Management System (Android App) | 2024

- Developed Android application using Java and SQLite for book lending operations.

- Integrated RESTful APIs and tested endpoints via Postman.

- Followed MVC design and version-controlled with Git. Improved operations by 40%.

Air Traffic Control Simulation | 2023

- Designed aircraft navigation simulation using Java and OpenGL.

- Implemented OOP architecture and interactive UI logic.

- Focused on event-driven programming and backend behavior.

Stadium Seat Booking System | 2022

- Built a ticketing system in Java with MySQL integration.

- Developed authentication, registration, and CRUD modules.

- Enhanced booking performance and reliability.

Career Interests

- Software Development
- Data Science & Analytics
- AI & Machine Learning
- Cyber Security

Languages

- English
- Arabic
- Hindi
- Kannada
- Tamil
- Malayalam

Soft Skills

- Problem Solving
- Debugging
- Team Collaboration
- Fast Learner
- Creativity
- Adaptability
- Attention to Detail
- Critical Thinking
- Communication
- Time Management

Certifications

Introduction to Python - IIT Bombay (Spoken Tutorial)

Introduction to C, C++ - IIT Bombay (Spoken Tutorial)

Introduction to Java - IIT Bombay (Spoken Tutorial)

Android App using Kotlin - IIT Bombay (Spoken Tutorial)

Introduction to Latex - IIT Bombay (Spoken Tutorial)