

Mohamed Mujtaba

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EDUCATION

- PES College of Engineering Mandya** Karnataka, India
Bachelor of Technology - Information Science and Engineering Jan 2021 - June 2025
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases
- Sir MV PU College Davangere** Karnataka, India
PCME(Physics Chemistry Mathematics Electronics) Aug. 2019 - Oct. 2020

SKILLS SUMMARY

- Languages:** C++, JavaScript, SQL, Bash, JAVA
- Frameworks:** REST API, React.js, Next.js, Tailwind CSS, Spring Boot, Hibernate, JPA, NodeJS, JDBC
- Tools:** Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite
- Platforms:** Linux, Web, Windows, Arduino, Raspberry, AWS, GCP, Alibaba Cloud, IBM Cloud
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- Career Development Centre (CDC), NITK Surathkal** Surathkal, India
Back End Developer Intern Feb. 2025 – June. 2025
 - Developed RESTful APIs:** Designed and implemented REST APIs using FastAPI and MongoDB to collect, store, and manage academic data from learning management systems.
 - Implemented RBAC Authentication:** Built a secure authentication and authorization system using Node.js, JSON Web Tokens (JWT), and bcrypt for role-based access control (RBAC).
 - Enhanced GitHub Insights:** Researched and proposed methods for visualizing GitHub collaboration patterns in academic environments to improve student engagement.
- Employability.life India** Remote — Bangalore, Karnataka
DevOps Developer Intern Nov. 2024 – Mar. 2025
 - CI/CD Pipeline Implementation:** Built and maintained scalable CI/CD pipelines using Azure DevOps Services to automate deployment processes for client applications.
 - Debugging Automation:** Developed an automated debugging system to improve issue triaging, resulting in enhanced development efficiency and faster resolution times.
 - Production Deployment:** Led and monitored production deployments, ensuring reliability and rollback safety for mission-critical systems.
 - Technologies Used:** JavaScript, Node.js, Azure DevOps Services, Git, YAML.

PROJECTS

- CoffeeShop:** React.js, Node.js, MongoDB, Tailwind CSS, GitHub Jan 2025 – Mar 2025
Led the development of a full-stack MERN web application serving coffee enthusiasts with a seamless and responsive UI. Managed and reviewed 300+ pull requests while collaborating with 70+ open-source contributors. Implemented RESTful APIs, authentication, and user-driven features to enhance community engagement and scalability.
- GitHub PR Tracker:** TypeScript, Firebase Auth, Supabase, GitHub API, JavaScript Dec 2024 – Feb 2025
Engineered a real-time GitHub pull request tracking platform using Octokit and Gemini Pro for AI-driven code insights. Developed analytics dashboards, implemented rate-limiting with queue handling, and integrated an AI assistant to suggest reviews, optimize commit messages, and identify PR anomalies.

PUBLICATIONS

- Paper: Deep Learning on Web (Web Development, Deep Learning):** Published by IEEE in November 2024. Focuses on Java-based deep learning applications and modern web development using frameworks such as Spring and Jakarta EE. Includes practical implementations with cloud platforms like AWS, GCP, and Azure, and deployment of machine learning models on NVIDIA Jetson Kit for edge AI acceleration.
- Paper: Deep Learning on Mobile Devices (Flutter App Development, Deep Learning):** Published by IEEE in December 2024. Explores mobile and edge deep learning integration into Java and Flutter applications. Demonstrates deployment of TensorFlow models optimized for mobile platforms using Flutter, Android, Firebase, TensorFlow Lite, Java, and Dart.

HONORS AND AWARDS

- Awarded title of Intel Software Innovator - May, 2024
- Awarded GSSoC Champion Badge for open-source contributions and leading 70+ contributors - September, 2024
- Recognized for achievements in Google Cloud Arcade challenges - August, 2023

VOLUNTEER EXPERIENCE

- Community Lead Developer at Social Summer Of Code (SSoC)** Karnataka, India
Led 70+ contributors to build a website and deliver training, and community mentorship Oct 2024 - Feb 2025
- Event Organizer at Google Developers Group Karnataka** Karnataka, India
Organized events, conducted workshops and delivered workshops reaching over 300 developers. Jan 2024 - May 2025