

Munavar Hussain

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EDUCATION

Virginia Tech

Masters in Computer Science; GPA 3.83

Arlington, Virginia

Jan 2024 – Dec 2025

SKILLS

Programming: Java (5 years), Python (4 years), C/C++, SQL, JavaScript (2 years), HTML/CSS.

Frameworks: React, jQuery, Node.js, Express.js, Spring, Spring Boot, REST APIs, Material-UI, RapidAPI, Tailwind CSS, PyTorch/TensorFlow, Scikit-learn, Next.js, Docker, LangChain, Matplotlib, Numpy, Pandas, DOM.

Developer Tools: Git, Jupyter, MySQL, PostgreSQL, VS Code, Visual Studio, MongoDB, IntelliJ, Jira, Eclipse, Android Studio, Postman, Rapid API, Microsoft Excel, Microsoft PowerPoint, Dockers, **Stack Overflow**.

Other: AWS, React Native Mobile Apps, Data Structures, System Design, Agile Development.

EXPERIENCE

Full Stack Developer Intern

Medlaunch Concepts

May 2025 – Present

Remote, USA

- As a full stack developer at Medlaunch healthcare portal, converted Figma designs into a fully tested **React/GraphQL** application incorporating Typescript, collaborated across design and backend teams, and built an automated CI/CD pipeline delivering a scalable, accessible, and maintainable user experience adopted by **500+** hospitals under **DNV**.
- Built and deployed secure, scalable backend services using **Nodejs**, **Express with Typescript**, **MongoDB**, and **Dockerized microservices** on **AWS ECS**, incorporating **RBAC** and **audit logging**.
- Incorporated **Microsoft Graph API** to add **OneDrive** functionality in the application for better organization of documents across the hospitals and DNV
- Collaborated with product and data engineering teams to architect and build AI-integrated features for document processing using **LLMs**, **NLP models**, and **OpenAI APIs**, improving document classification and extraction workflows.
- Automated lead management** workflows by developing backend logic using Nodejs/Express, ensuring seamless synchronization between MedLaunch and **Oracle Sales Cloud**
- Built a responsive analytics dashboard using React, TypeScript, and **Recharts**, providing interactive visualizations of time-series data and key business metrics.
- Applied foundational **AI/ML** concepts such as **embeddings** and **classification** pipelines to guide architectural decisions in building **HIPAA** compliant backend microservices for DNV healthcare accreditation.

Software Development Engineer

Tata Consulting Services; Client: ICICI Bank

Aug 2021 – Nov 2023

Hyderabad, India

- Developed and deployed new features for the InstaBizz mobile application, including **Pay to Contacts**, **Home Loans**, and **Fund Transfers**, contributing to a **20%** increase in user engagement and surpassing **5M+** app store downloads.
- Engineered scalable RESTful APIs using **Java**, **Spring Framework**, and **AWS** services (Lambda, RDS), ensuring seamless performance across multiple environments.
- Tested with **Postman**, debugged logs on **Linux** servers, and optimized **MySQL** operations, reducing query response times by **30%**. Ensured seamless deployment by implementing test scenarios and leveraging **GitHub** for **CI/CD pipelines**.

PROJECTS

Ducky - AI-Powered Software Developer Assistant

- Developed an AI-powered software assistant using Python, Streamlit, and OpenAI APIs to support intelligent code generation and PDF-based document analysis. Integrated machine learning with scikit-learn and added text-to-speech accessibility features using gTTS and Pygame. Containerised application with Docker.

CS-5244 - React Bookstore

- Designed and prototyped a high-fidelity UI in Figma, implemented with React.js using React Router, hooks, and context, and developed a Java backend with Jakarta EE and Eclipse Jersey for RESTful APIs, optimizing data storage with DAO, JDBC, and MySQL.