

Munavar Hussain

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EDUCATION

Virginia Tech

Masters in Computer Science; GPA 3.7

Falls Church, Virginia

Jan 2024 – Dec 2025

SKILLS

Programming: Java, Python, C/C++, SQL, JavaScript, HTML/CSS.

Frameworks: React, jQuery, Node.js, Express.js, Spring, Spring Boot, REST API's, 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

Software Engineer Intern

Homecation

Jan 2025 – Present

Gainesville, FL, USA

- Collaborated as part of a student development team to design and build a university-focused software product using modern technologies, including **Java, Python, PostgreSQL**, and **AI tools like GitHub Copilot and Claude API**.
- Contributed to frontend and backend development, feature implementation, and **cloud deployment with AWS**, while gaining hands-on startup experience and shaping product decisions. Developed strong **team collaboration skills**, enhanced **AI-driven software engineering expertise**, and delivered impactful solutions aligned with user needs.

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**.

Full Stack Intern

Smart Interviews

Dec 2019 – Apr 2020

Hyderabad, India

- Worked as a Full Stack Intern at Smart Interviews, where I utilized the **MERN** stack.
- Developed API's using **Express js** and used **Handlebars** and tested with tools like **Postman** and **Mocha**.
- Incorporated authentication with **PassportJs** and **JSON Web Token(JWT)**, along with email automation using **Nodemailer**.

PROJECTS

Inventory Management Dashboard - AWS [↗](#)

- Developed and deployed a full-stack web application using Next.js, Node.js, Redux Toolkit, PostgreSQL with Prisma, and AWS services (RDS, EC2, API Gateway, Amplify, S3), featuring a responsive UI and optimized state management with Redux Toolkit Query.

MovieMinds - Connect with similar cinephiles [↗](#)

- Developed a full-stack MERN application with JWT authentication and TMDB API integration, featuring a machine learning-powered recommendation engine (Python, Sklearn, NLTK, Cosine Similarity) for personalized movie suggestions and a responsive, user-centric design.

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.