

Mohammed Husamuddin

Software Development with AI+Data for Digitalization

Computer Engineering student with innovative and results-driven 3 years of experience in software engineering and development. Recognized for leading teams.

✉ workforhusam@gmail.com

🌐 [linkedin.com/in/mohammedhusamuddin](https://www.linkedin.com/in/mohammedhusamuddin)

🔗 github.com/HUSAM-07

🌐 [Portfolio Site](#)

☎ +971 52 677 5009

Work Experience

Software Engineering Intern

Brio Tech [View LoR](#) [Certificate](#)

July 2024 - Aug 2024

- Developed a Cloud Pricing Calculator that facilitated easy comparison of migration costs across cloud platforms, utilizing Azure API integration, Python web frameworks(Streamlit), and data analysis.
- Built a full-stack Sales Lead Email Generation Application that automated 80% of the lead generation process, increasing sales team productivity by 40% , utilizing LinkedIn's Rapid API, GPT-4 integration, and Streamlit(Now converting code base to React) for a production ready application.
- Integrated Google Cloud Platform service accounts into the applications developed, enabling seamless and secure access to Google Cloud services without user intervention, learnt how to proficiently practice cloud security , IAM policies, and programmatic authentication in production environments.

Full Stack Developer & Data Science Intern

PropReturns [View Certificate](#)

June 2023 – Aug 2023

- Engineered a data pipeline and infrastructure using Python and regex, which cleaned web-scraped data and reduced manual entry by 73%.
- Developed a reusable UI component library that boosted developer productivity by 40% and improved system architecture, increasing UI consistency and flow efficiency.

Founders Office & Software Developer

Styx(B2B SaaS) [View LoR](#) [View Prototype](#)

Mar 2023 – Jan 2024

- Designed and developed a security compliance dashboard MVP, increasing value by 27% and gaining stakeholders approval.
- Implemented software updates based on stakeholder requirements, meeting design specifications
- Pitched product to local and international investors & Engaged with customers and industry peers, developing strategies for 100% market reach. Notable: Contributed to securing 500,000 funding, backed by MapMyIndia

Club Experience

Lead

Google Developer Groups [Letter](#), [Google](#)

Sep 2023 - Sep 2024

- Expanded chapter to largest campus community (350+ members), managing 26-person team across 5 departments, implementing 3-tier structure, and overseeing 903+ student participation's and certifications.
- Developed and directed 4 internal and community applications/tools and 40+ long-term assets including automated scripts and internal web apps, increasing website traffic by 73% and documenting processes through SoP initiatives [SoP website](#)

Head of Business & Marketing

BITS Motorsports [View Certificate](#)

Mar 2022 – June 2023

- Developed BMS Dashboard, digitizing all processes and moving away from traditional systems, sponsorship tracking for team members, using Next.js and React. [BMS Dashboard](#)

- Student Council, EMC Technical Head at BITS Pilani Dubai
- UN MCN Fellow, building open source applications for NGO's
- Startup Advisor at E-cell IIT Bombay & BITS Pilani Dubai

Relevant Skills

Technology

Software Development, AI, Machine Learning, Data Analysis, Databases, Cloud Computing, DevOps, Data Structures & Algo

Business & Finance

Economics, Accounting, Industry Research, Financial Analysis

Technical Skills

Languages

Python, Java, C++, JavaScript, SQL, HTML, CSS, JavaScript, Typescript

Frameworks

Matplotlib, Pandas, Numpy, Streamlit, Flask, Scikit-Learn, OpenCV, Flower(Federated Learning), ROSpy, Openai, Hugging Face

Tools & Tech

NextJs, React, Node.js, MySQL, Firebase, Vercel, Git, Google Cloud Platform, Azure, Figma, REST, Docker, Linux, Prisma, Power BI, Tableau, Pinecone

Relevant Projects

UniDash — Platform for university resources [↗](#)

Developed UniDash, a student-centric platform using Next.js, Typescript, Tailwind and Firebase, consolidating campus resources into a web application that achieved 400+ daily active users.

University Geolocation Attendance System [↗](#)

Developing a geolocation-based university attendance system under the directive of the Academic Dean at BITS Pilani Dubai, utilizing Google Maps, Geo Location, Elevation API, React Native, and Socket to improve accuracy and reduce administrative workload.

Product Recommender using NLP: Reckitt [↗](#)

Developed a personalized Reckitt product recommendation app using natural language AI, enhancing consumer product discovery [React, RAG, Gemini, Pinecone]

Federated Learning Model for IoT Attack Classification

Designed a federated learning model using the flower framework, pytorch to classify 33 types of cyber attacks on edge devices with data privacy

Education

BITS Pilani, Dubai Campus

B.E. Computer Science