

Mohammed Husamuddin

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Skills

- **Languages:** Python, Java, C++, Matlab, SQL, HTML, CSS, JavaScript, Typescript, Assembly x86-64
- **Frameworks & Libraries:** Matplotlib, Pandas, Streamlit, TensorFlow, Numpy, Flask, BeautifulSoup, Scikit-Learn, OpenCv, Flower(Federated Learning), ShadCn, Taipy, ROSpy, Openai, Hugging Face, Google-Auth, Google Maps API, MkDocs
- **Tools & Technologies:** NextJs, React, Node.js, MySQL, Firebase, Vercel, Heroku, Git, Google Cloud Platform, Azure, AWS, Figma, REST, Docker, Linux, VS Code, Prisma, Notion, Power BI, Tableau, Linear
- **Others:** Product Management, Leadership, Standards and Procedures, Documentation, Cross Functional, Market Research, Competitive Analysis, Agile
- **Leadership:** Google DSC Lead, Notion Campus Lead, IIT Bombay – E-Cell Ambassador, United Nations Academic Impact and MCN Fellowship 2024 (selected from 52,000+ applicants), StartUp advisor to the E-Cell BPDC

Experience

Google Developer Student Clubs

Lead, BITS Pilani Dubai Chapter

June 2023 – September 2024

Now Promoted to Google Developer Groups–Dubai

[📄 Confirmation Letter](#), [Google](#)

- 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](#)

Marketing Lead & Tech Exec, GDSC BITS Pilani Dubai Chapter

September 2022 - June 2023

- Spearheaded marketing for 7 major events, attracting **432+ participants** through strategic promotion and designing **53+ brand assets**, resulting in a **100% increase in student engagement**.
- Conducted UI/UX workshop focused on Google's Material UI framework, increasing technical skill adoption among attendees.

Brio Tech

Software Engineering Intern

July 2024 – August 2024

[📄 View LoR](#) [📄 View Certificate](#)

- 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 responsive front-end
- **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 practise **cloud security**, **IAM policies**, and **programmatic authentication in production environments**.

Styx, Pilani (B2B SaaS)

Founders Office and Software Developer

March 2023 – January 2024

[📄 View Prototype](#) [📄 View LoR](#)

- 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

Business Development Intern & UI/UX Intern

January 2023 – April 2023

- Led an in-depth analysis of business performance by conducting comprehensive assessments and presenting findings
- Created visual brand identity and assets using Figma for the MVP.

PropReturns, Mumbai

Full Stack Developer & Data Science Intern

June 2023 – August 2023

[View Certificate](#)

- Engineered **data pipeline using Python and regex, cleaning web-scraped data and reducing manual entry by 73%**, while developing a reusable UI component library that boosted developer productivity by 40% and improved system architecture, resulting in increase in UI consistency and flow efficiency.

BITS Motorsports, Dubai

Head of Business & Marketing

March 2022 – June 2023

[BMS Dashboard](#) [View Certificate](#)

- **Developed BMS Dashboard, boosting team efficiency by 30%** through integrated task and asset management, and sponsorship tracking for team members, using Next.js and React.
- Spearheaded comprehensive marketing initiatives, **increasing project visibility by 45%** through coordinated campaigns, **creating sponsorship materials that led to a 37% boost in partner acquisition**, and producing engaging video and brand assets that drove a **75% increase in social media engagement**.

Projects

Founded UniDash – One-stop platform for university resources

Ongoing

[unidash.com](#)

- Developed student-focused tools using **React, Next.js, Shadcn UI, Redux, and Firebase**
Deployed on Vercel and implemented as a **Progressive Web App (PWA)** for mobile installation

University Geolocation Attendance System (Academic Project)

Ongoing

- Developing a university-wide geolocation-based attendance system using **Google Maps, Geo Location, Elevation API, and React Native with Expo**, focused on accuracy, workload reduction, and a robust system.

Federated Learning Model for IoT Attack Classification (Academic Project)

February 2024 – June 2024

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

Website Development for Clients and University

Ongoing

[View Conference Site](#)

- Developed and **deployed websites for international university conferences (IMMT, IHSSRC)** and educational resources using Wix Studio, HTML, CSS, and JavaScript, including a **platform for BITS Pilani Dubai's ex-Student Welfare Dean**. [View Site](#)

Visual Hive and Value Vault– IG Page and Newsletter/Blog

Ongoing

[Visual Hive](#) [Value Vault Newsletter](#)

- Grew a social media following of over **9,500+** through an Instagram page and **personal newsletter** by consistently sharing valuable insights and learnings, resulting in substantial audience engagement and growth.

Education

Bachelor of Engineering in Computer Science, BITS Pilani Dubai Campus

September 2021 – Present

- **Coursework:** Data Mining, Artificial Intelligence, Machine Learning, Computational Theory, Object-Oriented Programming, DSA, Computer Architecture