

ALISHA MOMIN

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EDUCATION

University of Texas at San Antonio, San Antonio (CGPA: 3.89/4.0) <i>Master in Artificial Intelligence</i>	May 2026
Habib University, Karachi Pakistan (CGPA: 3.47/4.0) <i>Bachelor of Science in Computer Science</i>	May 2023

TECHNICAL SKILLS

Programming Languages: Python | ASP.NET | Java | R | C# | JavaScript | Bicep
Frameworks & Libraries: Django | Pandas | NumPy | TensorFlow | PyTorch | scikit-learn | Keras | Angular | React | Vue.js
Database Management: MySQL | NoSQL | PostgreSQL
Tools & Platforms: Redis | Sentry | Visual Studio Code (VS Code) | Visual Studio | Jupyter Notebook | Anaconda | NVIDIA
Cloud Platforms: Azure | AWS
Version Control: Git | TFS

PROFESSIONAL EXPERIENCE

Spursol Karachi, Pakistan ASSOCIATE SOFTWARE ENGINEER	July 2023 – August 2024
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- Contributed to the development of ValueLink Appraisal Management System, **utilizing ASP.NET Core, Angular, Redis, SQL, RESTful APIs, Swagger, and Azure** to deliver scalable and high-performing solutions.
- Engineered real-time updates via **SignalR**, reducing response times by **40%** and significantly improving user engagement.
- Optimized **MySQL** infrastructure by reducing view execution times by **30%** through indexing and query optimization and authored comprehensive user documentation for streamlined operations.
- Served as Scrum Master to streamline Agile workflows, ensuring alignment with client requirements.
- Designed responsive user interfaces and implemented robust testing and debugging processes. Coordinated with team members, conducted code reviews, maintained version control using **TFS**, and deployed applications on **Azure**.

Folio3 Karachi, Pakistan SOFTWARE ENGINEER INTERN	June 2022 – August 2022
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- Developed dynamic web applications using the **MERN** stack, **MySQL**, and **RESTful APIs**, delivering scalable solutions, and built a versatile CRM system for managing customer profiles across various sectors.
- Debugged applications, documented requirements, and ensured system reliability through rigorous testing.
- Streamlined deployments by managing version control with **Git**.
- Awarded Top Performer** for exceptional contributions to project success.

PROJECTS

NUTRIFY Python, Selenium, Django, React, RESTful API, MySQL	08/2022 – 05/2023
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- Developed an **AI-powered** meal-planning application that provides customized meal plans based on users' food preferences, health goals, and cultural background.
- Cleaned and preprocessed data using advanced **data science** techniques, ensuring high-quality input for model accuracy and performance.
- Leveraged **deep learning** and **machine learning** concepts to build a model capable of determining serving sizes for Pakistani cuisine and recommending personalized meals.
- Secured publication** for the research paper "[Inclusiveness in Food Data Sets: Development of a Food Composition Dataset for South Asian Recipes with Focus on Pakistan](#)" at **SNEB**.
- Presented the Final Year Project (FYP) abstract at Habib University, earning **Second Position** in the Research Poster Presentation.
Integrated a **Django**-powered backend with **MySQL**, developed **RESTful APIs** for smooth data flow, deployed the app on **Heroku**, and managed version control using **GitHub**.

AMAL: B2B HANDY WORKERS APP Python Django, RESTful API, HTML, CSS, AJAX, MongoDB	05/2022
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- Engineered a full-stack web platform to streamline the hiring process, integrating features like worker listings, specialization filters, contact management, and scheduling for both individual users and businesses.

- Developed a scalable, high-performance application using **Django, RESTful APIs, MongoDB, and AJAX** to deliver responsive and efficient user experience.
- Spearheaded Agile-based product development and project management practices, driving successful deployment of the hiring platform.
- Managed version control and collaboration using **GitHub**, ensuring code quality and streamlined development processes.

LEADERSHIP & EXTRACURRICULAR

- **Second Position, Research Poster Presentation, Habib University (2023):** Earned recognition for impactful research on food data sets.
- **Awarded Top Performer, Folio3 (2022):** Recognized for excellence in project delivery and team collaboration.
- **Vice President, HUEC (2021–2022):** Led initiatives to enhance community engagement and professional development.
- **Volunteer, PyCON Pakistan (2019):** Assisted with event logistics and programming workshops.
- **Runner-Up, National Chess Tournament (2017):** Demonstrated strategic thinking by securing second place.