

**EDUCATION****Sindh Madressatul Islam University, Karachi— BSCS**

Karachi, Pakistan

Bachelor of Science in Computer Science – CGPA: **3.06/4.00****Fazaia Intermediate College**

Karachi, Pakistan

Intermediate, Computer Science

**WORK EXPERIENCE****Star Marketing, Karachi - Software Engineer****Oct 2021 - present**

- Take ownership of the production operation and monitoring of systems related to the team's charter, ensuring adherence to SLAs, reliability, and scalability.
- Have a proven track record of designing, building, and supporting reliable systems in production.
- Leading the development of an end-to-end SAAS Attendance application, which includes managing the CI/CD pipeline, deploying the application on AWS cloud, and utilizing various AWS services
- Collaborate closely with partners in design, product, ops, program management, and engineering to deliver high-quality solutions and document technical recommendations.

**AlCodemist, Karachi - AI Engineer****Jan 2020 - Oct 2021**

- Developing a Cheque Verification product using a deep neural network (DNN) pretrained model with Keras to check the validity of a given cheque.
- Building a real-time mask detection model using DNN and other computer vision techniques.
- Optimizing the performance of the models and fine-tuning the parameters to improve accuracy.

**Moyyn, Germany - AI Intern****Feb 2021 - Apr 2021**

- Assisted in the development of an AI-based architecture for the recruitment system
- Worked with a team to implement natural language processing (NLP) techniques to extract relevant information from CVs
- Utilized machine learning algorithms to analyze and rank candidates based on their qualifications and experience

**Alphatrone Technologies, Karachi - AI Developer****Dec 2020 - Jan 2021**

- Led a team of two developers in building a Google Home-type speech recognition project
- Utilized over 10 AI-based models working in parallel to produce a better result than Google Home
- Developed and implemented a project plan to ensure the project was completed on time and within budget

**RESEARCH****A Survey on Electronic Natural Language Applications: A Current Challenges and Limitations**

- Historical background of natural language processing for voice and text
- Overview of approaches for extracting information from human language sources
- Examination of significant exercises being currently used
- Discussion of models from a wide range of uses (e.g. personal assistants, IVR, question answering)

**LEADERSHIP & OTHER AFFILIATION****GitHub Campus Expert** May 2022 - Present

Campus Experts are student leaders that build diverse, inclusive spaces for learning, sharing experiences, and building projects through in-person and online events and open source projects.

**Google DSC Lead – SMIU** June 2020 – July 2021

Second ever lead from SMIU and Pakistan's DSC Chapter. Lead the club for knowledge, learning and community building. Trained 2500+ students using Google Developers program.

**AWS Community Builder** May 2021 - Present

Hosted webinars based on AWS and cloud-based technologies, co-founded the biggest AWS Community of Pakistan, collaborated with cohorts to conduct AWS Community meetups nationwide.

**Beta - Microsoft Learn Std. Ambassador** Aug 2021 – Sep

2022. Introduced Azure technologies to students by hosting relevant activities. Mentored more than 500 candidates for their skill advancements and upbringing in tech career.

**PROJECTS**

**Enterprise resource planning (ERP)** is a comprehensive system designed to manage the wholesale, payment, finance, expenses, and overall process of a real estate business. I was the lead developer on this project and was responsible for the following: Developing the entire back-end system, Designing the database architecture, Managing the CI/CD pipeline and Training employees on how to use the system effectively.

**Attendance Application** which is a SAAS application that utilizes QR-based attendance marking and utilizes location data to validate the presence of a person on site. Where I Developed SAAS attendance system using Node.js, Express, and MongoDB. Implemented QR-based attendance marking and location validation, Designed and implemented database for storing and retrieving attendance records and Researched technologies for face recognition and location services.

**Social Manager** an application that allows users to post on multiple social media platforms with just one post. My responsibilities included: Integrating social media APIs (Facebook, YouTube, Instagram, LinkedIn), Implementing image and video upload to S3 bucket and Managing project for smooth operation and performance.

**OTHER**

**Technical Skills:** Nodejs, Nest.js, Django, Flask, TypeScript, Python, GraphQL, JS ES6+, PyTorch, TensorFlow, Sklearn, SQL & NoSQL DB, AWS, GCP, Docker, Terraform, GitLab, DevOps, System Design, React.js, Kafka, Redshift.

**Certifications & Training:** 12 x Certifications of Deep Learning, ML, CV, NLP, Tensorflow, Flask and GCP

**Writing:** [How to train AI Beast](#), [Building Server-Side Applications with Bun - JavaScript Runtime](#), [Levels of Natural Language Processing](#), [Adopt 10x approach in Computer Science Degree](#)