Usama Ejaz

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EDUCATION

National University of Sciences & Technology (NUST) | Islamabad, Pakistan   July 2022
Bachelor of Engineering in Software Engineering, Cumulative GPA: 3.43/4

Relevant Courses: Software Project Management, Software Construction, Software Engineering, Software Design & Architecture, Database Systems.

Honors: 1st place in CodeFest'21, organized by Google Developer Student Club, NUST.

Awards: Dean's High Achiever Award, 2021.

EXPERIENCE

Aiems for Computer Systems & Communication LLC. | Deira, Dubai   Oct 2022 – Present
Senior Software Engineer

- Revamped and developed the accounting and payroll module for *Ebos*, the company's flagship ERP system, streamlining financial operations for over 1000+ combined users in collaboration with Finance and Human Resource departments, utilizing AWS EC2, React, TypeScript and Django.
- Designed & developed a mobile app using Flutter & Dart for the payroll module's Employee Self Service (ESS) portal, offering seamless access to essential payroll information for over 1000+ employees across multiple companies.

Nustac Technologies | Islamabad, Pakistan   Mar 2021 – Oct 2022
Founder & Technical Lead

- Led a cross-functional team of 8 people ranging from mobile application development, web development, operations & marketing.
- Created web and mobile business solutions for 30+ clients to build their digital presence & increase recognition online mainly using Flutter, Dart, MySQL, ReactJS, Firebase, Express, NodeJS.
- Completed 60+ diverse projects with 5-star rating while being in top 3% Java programmers on the freelancer.com platform.

Afiniti Ltd. | Karachi, Pakistan   Sep 2020 – Oct 2020
Software Quality Assurance Intern

- Assessed the functionality of a VoIP calling software upto 90% by performing black-box testing.
- Covered the white-box testing of Avaya communication software up to 10% by writing unit test cases.
- Discovered, reported, and documented bugs, errors, interoperability flaws, and other issues within the proprietary under-development VoIP calling software; Avaya, enhancing the overall product quality and performance.

TUKL, NUST Research and Development Center | Islamabad, Pakistan   Jun 2020 – Sep 2020
Machine Learning Intern

- Performed classification and localization of disease with bounding boxes from chest x-ray images with 87.35% accuracy by using transfer learning and Keras-FRCNN package.
- Created a facial recognition model and achieved 91% by using OpenCV and transfer learning with MobileNet.

LEADERSHIP & DEVELOPMENT

Google Developer Student Club I Islamabad, Pakistan   Oct 2021 – Jul 2022
Flutter Lead
- Appointed as the GDSC Flutter Lead among more than 200 people for hosting workshops, building projects, community learning, network growth and professional growth.

Director Youth Entrepreneurial Society I Islamabad, Pakistan   Oct 2021 – Dec 2022
Deputy Director SEECS Government Association I Islamabad, Pakistan   Jul 2020 – Jul 2021

PROJECTS

Ebos – Artificial Intelligence based ERP system (React, AWS, Django, TypeScript, Flutter)
- Designed and developed a cloud-based ERP system using MantineUI with React, TypeScript, Redux which contains accounting, finance, payroll & HR modules. The system uses role-based access management, Rest APIs, JWT authentication, intelligent document scanning, advanced report creation & data analytics.
- Developed a cross-platform mobile application for the Employee Self Service (ESS) portal for payroll module using flutter & dart.

Used Cars Price Prediction (React, Python, Node, MongoDB, Flask)
- Used Beautiful Soup and Selenium to scrap websites for over 10,000 used car listings from PakWheels & AutoDeals, aggregating comprehensive data to enhance the accuracy and reliability of the used car price prediction model.
- Utilized TensorFlow to build ANNs to achieve 94% accuracy for used car valuation using 9 car features.

Gooba - Virtual AI Assistant (Python, Flask, HTML, CSS, JavaScript)
- Programmed an AI assistant to increase user retention rate by providing chat options and fun activities which led me to achieve 1st prize at CodeFest'21 organized by Google Developer Student Club.

Real-time Order Management Application (Flutter, Dart, Firebase)
Marson's Yard Desktop Accounting Software (Java, JavaFx, MySQL)

OTHERS

- **Technical Skills**: Java, JavaScript, Python, SQL, HTML, CSS, C/C++, TypeScript, Dart, Git, React, Redux, NodeJS, Flutter, Firebase, MongoDB, PostgreSQL, MySQL, Docker, Unix, AWS EC2, AWS Lambda.
- **Soft Skills**: Effective Communication, Problem Solving, High Adaptability, Teamwork.
- **Languages**: Urdu & English.