

HUSNAIN ABBAS

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SUMMARY

Passionate Software Developer with expertise in Python, C/C++, and full-stack web development using the MERN stack. Experienced in SQL, NoSQL databases, Java, and backend development with PHP Laravel. Proficient in mobile app development using Flutter. Aspiring to be an ethical hacker and currently learning it. Seeking a role where I can contribute to the company's success while continuing to grow and learn.

EXPERIENCE

ProgStream

Software Developer

July 2023 – Present

- Designed and developed a responsive website using Next.js. - Created backend APIs using PHP Laravel and PostgreSQL. - Integrated third-party APIs for Stripe and PayPal. - Worked on a Flutter app, integrating APIs from both backend and third-party services such as Apple, Google, Facebook, and Firebase.

PROJECTS

Web Development Projects

Railway Reservation System

- Led the development of a railway management website for a Web Engineering project serving REST API. Utilized ReactJS and MUI for the frontend, Node JS for the backend, and created a 3NF database (SQL). Integrated JWT Auth Token for authentication.

Netflix Clone

- Developed a fully responsive Netflix clone website using Next.js and ReactJS for the frontend, Node JS, PrismaBD, and MongoDB for the backend.

Social App

- Created a social app similar to Twitter using the MERN stack, allowing users to share posts. Integrated chat feature using Socket.io. The app is fully authenticated and responsive.

Final Year Project

Urdu Poetry Generation Using BiGRU

- Developed an NLP project using Python and NLP libraries such as PyTorch, Sklearn, and Keras. Performed web scraping for data. - Created a BiGRU model, performed phonetics and subword embeddings for the first verse, and generated the rest of the verses using a Hierarchical Attention Sequence to Sequence model. - Developed a Next.js website and deployed it on GCP.

Other Projects

Software Testing Java

- Developed a test plan and test suites containing different test cases. Implemented the test cases in Java using the TestNG API in Papyrus.

Text Summarizer C++

- Developed a text summarizer in C++ using machine learning. Employed tokenization and machine learning libraries.

DDOS Attack Python

- Created a program for DDOS attack (SYN flood) using socket programming.

AWS Project

- Developed a web application on an AWS EC2 Windows instance with the help of Load Balancers, Auto Scaling, AWS RDS, Security Groups, and VPC.

SKILLS

Technical

Python • Java • C/C++ • Javascript • Php
NextJS • Java Swing • JQuery • HTML/CSS • Flutter
Keras • Tensorflow • Sklearn • Laravel
MySQL • PostgreSQL • Firebase • MongoDB
Nmap • Metasploit • SQLmap • Aircrack-ng
Software testing using Selenium • AWS • Git/Github • Docker • Jenkins

Personal

Problem Solving • Leadership • Logical Thinking • Ability to work with different teams

EDUCATION

FASTNUCES

Bachelors in Software Engineering
- Cumulative GPA: 3.49 / 4.0

Karachi — 2019 - 2023

ACHIEVEMENTS

- 2023 FAST Dean's list Spring - 2022 FAST 2nd Position Fall - 2022 FAST Dean's list Fall - 2022 FAST Dean's list Spring - 2021 FAST Dean's list Fall - 2021 FAST Dean's list Spring - Teacher's Assistant in Design and Analysis of Algorithms

CERTIFICATIONS AND COURSES

- [Full Stack Development](#) — SkillUP - [Front End Development](#) — SkillUP - [Machine Learning](#) — SkillUP
- [NodeJS](#) — SkillUP - [ReactJS](#) — SkillUP - [Kubernetes](#) — SkillUP - [Ethical Hacking](#) — Udemy - [Penetration Testing and Ethical Hacking](#) — Cybrary - [Introduction to CIP](#) — OPSWAT Academy - [Ethical Hacking Essentials \(EHE\)](#) — Coursera (EC-Council)