

Hossein Shahri

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EDUCATION

Ajman University

Bachelor of Science in Computer Engineering

Ajman, UAE

Sept. 2020 – Sept. 2024

EXPERIENCE

Full-Stack Developer Intern

June 2023 – Aug. 2023

RAZRLAB

Dubai, UAE

- Collaborated with a team to design, develop, and deploy web applications using React, Node JS, Express, HTML, CSS, JavaScript
- Assisted in the implementation of new functionalities and features, ensuring optimal performance and responsiveness
- Participated in the full software development life-cycle, including information gathering, prototyping, coding, and testing
- Worked on integrating databases and APIs to enhance functionality and data management
- Developed responsive and mobile friendly UI to enhance UX
- Monitored and resolved performance issues in web applications using React, Node.js, and MongoDB
- Assisted in maintaining application infrastructure on Google Cloud Platform, including virtual machine deployment
- Proactively performed system health checks and managed basic system backups using Git
- Collaborated with Level 2 Support teams to troubleshoot system outages and ensure uptime for critical web applications

PROJECTS

AI Tutor | *Node JS, React, Javascript, GPT4, HTML/CSS*

Nov. 2023 – Sept. 2024

- Final year project on evaluating the use of AI in education by providing personalized learning
- Implementing prompt engineering to GPT4 and InvideoAI that generates scripts and videos
- Implemented quizzes and assessments generation according to the topic of the video
- Implementing multi learning and single learning, and ensuring every participant gets personalized content

Plant Disease Classification APP | *Android Studio, Kotlin, Flask, Tensorflow, Keras*

May. 2024 – Jun. 2024

- Developed an application using android studio that allows user to monitor plant health that is connected to a raspberry pi
- Implemented a plant disease classification feature that displays the cure and prevention of the disease a plant has
- Created the machine learning model using keras and converted to tensorflow to be loaded in flask
- Implemented Gemini 1.5 pro to provide solution, prevention, and tips for the disease

Real Estate Commision Tracking | *NodeJS, React, MongoDB, DigitalOcean*

June 2023 – Aug. 2023

- Developed a full-stack web application using with NodeJS, with React as the frontend, and MongoDB as database
- Implemented data operation functionalities, and data visualization through charts and graphs.
- Implemented advanced filtering capabilities, that allows users to filter data and see preferred charts
- Used React for better responsiveness and UI/UX.

MikroPong | *C, MikroC, Microcontroller, Electronics*

Jan. 2023 – May 2023

- Created an embedded system for a classic Pong game, using PIC16 microcontroller, buzzer, buttons, LCD screen, and 7-segment displays
- Implemented 4 buttons to allow 2 players to play, a buzzer that makes sound whenever the ball hits the wall or goal and etc.
- Implemented 7 segment displays for score tracking

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS

Tools: Microsoft Office

Operating Systems: Windows Server, Unix/Linux

Frameworks: React, Node.js, Flask

Databases: MongoDB, MySQL, NoSQL

Developer Tools: Git, Docker, AWS, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Eclipse, Matlab, MikroC, Proteus 8 Professional, Application performance monitoring, error tracking, basic SAN monitoring

Libraries: Tensorflow, NumPy, Matplotlib

LANGUAGES

English: Fluent

Farsi: Native

Arabic: Intermediate

CERTIFICATES

IBM Data Science Professional Certificate July 2023

- Achieved after completing 10 courses about Data Science and Machine Learning

Machine Learning with Python July 2023

- Achieved as part of IBM Data Sci. prof. cert.

Python for Data Science, AI and Development July 2023

- Achieved as part of IBM Data Sci. prof. cert.

ACHIEVEMENTS

Ajman Tourism Competition Jul. 2024

- Achieved 2nd Place in Ajman Tourism Competition, by providing an innovative idea to improve the tourism of Ajman.

IEEE Conference Paper Jul. 2024

- Published IEEE conference paper titled "Elevating Education through AI Tutor: Utilizing GPT-4 for Personalized Learning" as part of the ZU Call For Papers

Zayed University Call for Papers Mar. 2024

- Presented The final year project "AI Tutor" to IEEE members

Participation in Ajman University Capture The Flag Organized by Red Team Nov. 2023

- Achieved 10th place out of 70 teams

AYM-Actualizing Youth Mobility: Virtual Exchange Program Dec. 2022

- Funded by The Stevens Initiative we Collaborated with US collage students in providing innovative solutions

IT Club Interactive Hacking Lab Nov. 2022

- Participated in a Lab learning about the different methods of ethical hacking and dangers

IT Club Coding Battle Sept. 2022

- Participated in a Coding competition organized by Ajman University IT club