MUHAMMAD ZAIN HASEEB

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SUMMARY

I am an enthusiastic and detail-oriented individual with a passion for technology and problem-solving. With strong analytical skills and a commitment to meeting deadlines, I excel at tackling complex challenges. I enjoy exploring new fields, particularly in web development and emerging technologies such as AI/ML. Currently, I am in my 8th semester at Forman Christian College, pursuing Bachelor's in Computer Science.

WORK EXPERIENCE

Netsol (PVT) LTD.   **July 2024 - Sep 2024**

Intern (AWS & AI/ML)
- Developed RESTful APIs using AWS API Gateway.
- Implemented serverless functions with AWS Lambda using Node.js and Python (Boto3).
- Managed data storage and retrieval using Amazon DynamoDB.
- Contributed to full-stack development with AWS services.
- Utilized various LLM models under AWS Bedrock, including Meta LLaMA for chat and Stable Diffusion 3 for image generation.
- Monitored and optimized application performance and resource usage.

Mindstorm Studios   **Jun 2023 - Aug 2023**

Game developer fellowship
- Developed games using Unity and C#.
- Implemented core game mechanics and user interfaces.
- Optimized game performance for smooth gameplay.
- Worked in a team environment to deliver projects on time.

EDUCATION

Bachelor's in Computer Science   **Sep 2021 - Sep 2025**
Forman Christian College University
- **Relevant Coursework**: Object Oriented Programming (Python), Data Structures and Algorithms, Probability and Statistics, Database Systems, Software Engineering, Linear Algebra with Computational Applications (Python), Software Quality Assurance, Machine Learning and Deep Learning (Python),Web Application Development(Html, CSS, JavaScript, React-Js, Django Rest Framework)

A Levels   **Sep 2018 - Sep 2020**
Beaconhouse Defense Campus
- **Relevant Courses**: Maths, Physics, Chemistry

PROJECTS

DeepSight: Deepfake Detection Using Multi-Attentional   **Sep 2024 - Present**

Final Year Project
- Created a deepfake detection prototype using latest technique trained with different datasets. Optimized performance with data preprocessing and fine-tuning. Developed a Django web app and web extension for easy detection.

Recommendation System | *NumPy, Seaborn, Matplotlib, Scikit-learn*   **Github**
- Developed an SVD-based recommendation system to predict user purchases, predicted future trends and visualized purchase patterns.

Audio Classification | *Pandas, NumPy, Librosa, Scikit-learn, Joblib*   **Github**
- Developed an audio classification system using MFCC features, extracted audio converted it to text and implementing a Random Forest classifier for evaluation..

Whole Sale Management System | *MongoDB, Express-Js, Node-Js, React-Js*   **Github**

Software Engineering Course Project
- Developed an fully responsive design. inventory order management CRUD application with user management

ADDITIONAL INFORMATION

- **Languages:** Python, JavaScript, C, C#, Ms SQL
- **Technologies**: Oracle VM, Git, Github, Google Colab, AWS console, vs code
- **Certifications:** Introduction to Git and Github (Google), AWS fundamentals, AWS serverless, Javascript Es6 (Coursera), Rookie Game Jam (Mindstorm Studios), Introduction to SQL (Datacamp), Joining Data in SQL (Datacamp)
- **Extra Circular Activities:**
  - Assistant Director Logistics Forman Islamic Council (2024 - 2025)
  - Assistant Director Security IEEE Fccu Branch (2023 - 2024)
  - Security Member FORMUN (2023 - 2024)
  - Security Member Omni Life Fccu (2022 - 2023)