

Manahil Aamir

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LinkedIn:

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Career Objective

Computer Science graduate with a strong focus on AI-powered development, committed to leveraging coding expertise to contribute to innovative projects.

Academic Qualification

2025	BS-CS	Institution of Business Administration	3.74 CGPA
2021	A Level	Alpha College	4A*
2019	O Level	Dawood Public School	6A* 4A

Professional Experience

Microlinks Private Limited

Intern – Flutter Developer

June 2024 – August 2024

- Developed an app using Flutter and Firebase
- Employed GetX for state management with MVVM(Model–View–ViewModel) architecture
- Github Link: Manahil-Aamir/grocery_store

Mindstorm Studios

Apprentice - Game Developer

July 2022 – September 2022

- Created a hyper-casual game – ‘Choco Chase’ in a team on the theme ‘Childhood Memories’
- Interacted with the professionals that helped me gain more insights about this field
- Github Link: Manahil-Aamir/ChocoChaseGameFinal (github.com)

Institute of Business Administration

TA for Introduction to Computing

September 2023 – January 2024

- Responsible for conducting tutorials and helping students with their coursework.
- Technologies utilized: MS Excel, Power BI, Logism

Achievements

- Earned 100% scholarship at Alpha College (2019-2021)
- Dean’s list student in IBA for 8 consecutive semesters

Major Reports/ Research Work/Projects

- **Online Bookstore:** Duo project using React JS, Node JS, and Oracle DB to create customer/admin interfaces for book purchasing.. ([Manahil-Aamir/Online-Bookstore](#))
- **Doctor Appointment System:** Team project with React JS, Node JS, and Oracle DB allowing patients to book doctor appointments at preferred times. ([Manahil- Aamir/DoctorAppointmentBook](#))
- **Collaborative Whiteboard:** Built a real-time collaborative whiteboard application using ASP.NET Core, SignalR, Entity Framework, and MySQL with interactive frontend integration. ([Manahil-Aamir/CollaborativeWhiteboard](#))
- **Big Data Analytics Project:** Streamed and analysed big data using Kafka, Spark, Airflow, HBase, Streamlit and programming languages used were Java and Python. ([Manahil-Aamir/Big-Data-Analytics-Project](#))
- **Fine-Tuning Dialogue Dataset:** Developed and fine-tuned large language models using Supervised Fine-Tuning (SFT) and Direct Preference Optimization (DPO) with LoRA adapters. ([Manahil-Aamir/Fine-Tuning-DialogueDataset](#))
- **Brain Tumor Detection using Vision Transformer:** Developed brain tumor detection using MRI scans by utilizing ViT. Also, further experimented with different transformer encoder architecture, ResNet, MobNet, and Convolutional Stemming. ([Manahil-Aamir/Brain-Tumor-Detection-Using-ViT](#))
- **Mini Rag Project:** Developed a RAG-powered legal assistant in Python to answer queries on women's laws in Pakistan using semantic search and LLMs. ([NoorusSabahh/ITA-rag-mini-project](#))
- **Her Sphere App:** All-in-one Flutter app (with Riverpod and Firebase) for family management, task organization, and self-care. ([Manahil-Aamir/Her-Sphere](#)).
- **FYP-VROO:** A carpooling app designed to connect university students, promoting sustainability by reducing pollution and combating rising fuel costs. Worked on frontend development using Flutter, implemented Bloc for robust state management, and applied clean architecture principles via the MVVM pattern. UI/UX design was created using Figma.

Skills/Special Courses

Skills

- Programming Languages: Flutter, Python, Java, ReactJs, NodeJs, C++, C, Visual Basic, HTML, CSS, .NET
- AI/ML: Machine Learning Model Development (Classification, Regression, Ensemble Methods), NLP, Computer Vision, PyTorch, TensorFlow
- Database: Oracle, Firebase,MongoDB
- Big Data Tools: Kafka, Hive, HBase, Spark, Airflow
- Data Visualization: Power BI, Tableau, Streamlit

Specialized Certifications

- Google Career Certificates: Google Project Management, Google UX Design, Google Data Analytics
- Certificate of training from Digi Skills for Freelancing and Graphic Designing course
- Introduction to Game Development certificate from Coursera
- Introduction to MLOps and DevOps from Udemy

Interests and Extracurricular Activities

- Cricket • IBA Computer Science Society • Graphic designing • Reading Books
- Volunteer work (TCF – 2018 and 2019, Al-Khidmat Foundation 2022, Akhuwat 2022)