ALI ABDULLAH AHMAD

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EDUCATION

Stevens Institute of Technology – Hoboken, NJ, USA   Expected Graduation: May 2026
Master of Science in Computer Science

Jamia Hamdard University – New Delhi, India   Graduation: August 2024
Bachelor of Technology in Computer Science and Engineering | GPA (7.8/10)

RELEVANT COURSEWORK

Data Structures & Algorithms, Database Management System, Artificial Intelligence, Machine Learning, Deep Learning

TECHNICAL SKILLS

Languages: JAVA, Python, SQL, Git
Technologies: Pandas, NumPy, sklearn, Matplotlib, TensorFlow, OpenCV, CVZone
Applications: Visual Studio Code, GitHub, Jupyter Notebook, IntelliJ, Microsoft Excel, Word, PowerPoint etc.

RELEVANT EXPERIENCE

Tata Institute of Social Sciences, AI Development in Social Science Internship – *Hyderabad, India*
[Jan 2024 – June 2024]

- Selected amongst 12 interns across the entire country
- Hands on opportunity to develop AI skills while analyzing micro urban climate data with a keen focus on their implication for human health
- Key Responsibilities included Data Collection, Data Cleaning and Engineering and AI development
- Conducted thorough data analysis to identify patterns and trends in urban climate data
- Developed predictive models to forecast urban climate conditions
- Collaborated with a multidisciplinary team to interpret data findings and their potential health impacts

ACADEMIC PROJECTS

Hand Sync Presenter, *Hand Gesture Controlled Presentation using Computer Vision*
- Designed and developed a system enabling users to control presentation slides and functionalities using hand gestures.
- Utilized CVZone technology for capturing hand gestures.
- Implemented machine learning algorithms for accurate gesture recognition using OpenCV.
- Conducted extensive testing and debugging to ensure system reliability and accuracy.
- Achieved over 90% accuracy in gesture recognition and successfully demoed the system at university.

Car Price Predictor and Medical Insurance Cost Prediction, *Prediction Models in Machine Learning*
- Developed re-usable price prediction models that can be employed in varied use cases based on the input parameters
- Analyzed and preprocessed historical data using pandas library
- Linear Regression model trained using train and test splitting of data
- Predicted the insurance cost after training the Linear Regression model
- Evaluation of the models was done using coefficient of determination (R squared).
- Results and graphs were deployed using metrics from sklearn library

AWARDS & CERTIFICATIONS

- Awarded the prestigious Türkiye Bursları Scholarship for a fully funded Master's program in Turkey, recognizing academic excellence and leadership potential.
- Won first prize in an e-sport event held at Atma Ram Sanatan Dharma College (Delhi University)
- Participated in a 2-day event of "Git vs GitHub Webinar" held on 14th and 15th June 2023 by IEEE JSH branch.