Shubham Kumar

+91 7257912483 shubhamkr77555@gmail.com linkedin.com/in/shubham-kumar github.com/shubhamkumar755

Education

Vellore Institute of Technology **September 2022 – Present**
BTech. in Computer Science Engineering, CGPA - 8.80 *Vellore, Tamil Nadu*

Delhi Public School **April 2020 – March 2022**
Senior Secondary Education (CBSE), Percentage - 93.6 *Patna, Bihar*

Delhi Public School **April 2010 – March 2020**
High School Education (CBSE), Percentage - 95.6 *Patna, Bihar*

Relevant Coursework

- DSA
- OOPS
- Artificial Intelligence
- DBMS
- Software Engineering
- Project Management
- Computer Networks
- Computer Architecture

Projects

Portfolio website | *React.js, JavaScript, HTML, CSS, Vercel* **GitHub**

- Created a personal portfolio website using React to showcase projects, technical skills, and certifications.
- Implemented responsive design using CSS Flexbox and Grid for compatibility across multiple screen sizes.
- Deployed the site on Vercel with continuous integration and GitHub version control.

Nexus | *EJS, JavaScript, HTML, CSS* **GitHub**

- Collaborated on a student-centric platform designed to help users reconnect with lost belongings and discover peers with complementary skill sets.
- Implemented the complete front-end using HTML, CSS and vanilla JavaScript, integrating UI designs into functional layouts.
- Collaborated closely with backend and design teammates to ensure seamless flow between UI, logic, and data handling.

Autism Predictor | *Python, Scikit-learn, NumPy, Pandas, Matplotlib* **GitHub**

- Developed a machine learning model to predict autism likelihood based on behavioral and medical data, using Jupyter Notebook for experimentation.
- Implemented and evaluated three classifiers — Decision Tree, Random Forest, and XGBoost — with Random Forest achieving the best cross-validated accuracy of 92%.
- Performed data preprocessing, feature selection, and model comparison using Scikit-learn tools and visualization libraries.

Plant Disease Predictor | *Python, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib* **GitHub**

- Built a deep learning-based image classifier on Google Colab to identify plant leaf diseases from uploaded images.
- Applied a CNN model trained using TensorFlow and Keras, achieving an accuracy of 87% on validation data.
- Integrated data preprocessing, augmentation, and visualization to optimize performance and generalizability.

Technical Skills

Programming Languages: C++, Java, Python
Web Development: HTML, CSS, JavaScript, React, Vite, Bootstrap
Data Analysis and Visualization: Pandas, NumPy, Matplotlib
Machine Learning: Scikit-learn, TensorFlow, Keras
Developer Tools: VS Code, GitHub, Jupyter Notebook, Google Colab, Appwrite, Vercel
Databases: SQL

Certifications & Achievements

- **Microsoft Azure AI Fundamentals**: Achieved a score of 836/1000, demonstrating proficiency in core AI concepts and Azure AI services, including machine learning, natural language processing, and computer vision.
- **Complete A.I. Machine Learning, Data Science Bootcamp**: Completed a comprehensive 44-hour bootcamp covering artificial intelligence, machine learning, and data science fundamentals, instructed by industry experts Andrei Neagoie and Daniel Bourke.
- **Data Structures & Algorithms Mastery**: Solved 450+ problems on LeetCode, strengthening algorithmic thinking in data structures and algorithms.