Archit Gupta

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Education

University School of Automation and Robotics Expected August 2025

Bachelor of Technology in Artificial Intelligence and Data Science (GPA: 9.02 / 10) *New Delhi, Delhi*

- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat, Introduction to Artifical Intelligence, Linear Algebra w/Computer Networks, Machine Learning, DBMS, Data Visualization

Experience

GGSIPU USS SDC Aug 2023 – Present

Developer *Delhi, New Delhi*

- Automated attendance-taking and reduced paperwork by 85% by developing and maintaining an attendance app & website for our University.
- Developed and implemented highly secure and scalable REST APIs for Attendance management app, facilitating seamless user experience with zero data breaches; capable of handling multiple queries simultaneously, ensuring prompt response times and improved productivity.
- Optimized website performance and speed through optimization techniques by 55%.
- Designed and integrated dynamic Google Charts for attendance tracking in management system.

Projects

Airbnb Clone | *React.js, Node.js, MongoDb, Tailwind CSS, Typescript, Next.js, Prisma, Next Auth*

- Achieved a 30% improvement in user engagement through responsive frontend design using Next.js along with Tailwind CSS.
- Realized a 40% enhancement in system response time with optimized backend development using Node.js and with Next.js. Used Prsima for better data retrieval speed, achieving 50% improvement in database query performance.
- Implemented advanced filtering options resulting in a 75% improvement in search accuracy.
- Utilized Server-Side Rendering (SSR) techniques to optimize performance and improve loading times, resulting in a 30% reduction in page load times and ensuring a smooth browsing experience for users.

Stock Trend Predictor | *Pandas, Numpy, TensorFlow, Scikit-Learn, Matplotlib, Pandas-datareader, yfinance*

- Utilized Pandas Datareader and yfinance to retrieve historical stock data, Implemented data preprocessing techniques, achieving a 85% accuracy in cleaning and formatting the raw data.
- Engineered feature vectors using technical indicators such as moving averages, RSI (Relative Strength Index) contributing to a 70% improvement in model performance.
- Implemented a deep learning model using TensorFlow, incorporating LSTM (Long Short-Term Memory) layers for capturing temporal dependencies in stock data. Achieved a 80% accuracy in predicting stock trends and developed an interactive user interface using Streamlit.

VisionVibe | *Next.js, Tailwind CSS, Planet Scale, Zustand, Clerk Auth, Prisma, Ngrok, Typescript, Node.js, MySql, Websockets*

- Led the development of VisionVibe, a Next.js 14-based platform, achieving 77% proficiency in feature implementation.
- Incorporated advanced technologies including RTMP/WHIP protocols for streaming, achieving 100% successful integration and utilization in the VisionVibe platform.
- Enhanced user engagement with real-time features like live viewer count and status updates, leveraging socket technology with 60% reliability in implementation for VisionVibe.
- Optimized platform performance with 55% efficiency using MySQL database(Planet Scale) for efficient data storage and management, ensuring seamless user experience .

Technical Skills

Languages: C, C++, Javascript, Typescript, Python
Technologies: React.js, Next.js, Django, REST API, MongoDB, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap, Node.js, Planet Scale, Zustand, Clerk Auth, Github,Next Auth, Scikit-Learn, numpy, matplotlob, Mysql, PostgreSQL, GCD, Azure, Tailwind CSS, Prisma
Concepts: Deep Learning, Operating System, Data Cleaning, Data Visualization, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, DBMS, Agile Methodology, Cloud Computing, Authentication, Network Protocols