PIYUSH

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Education

Maharaja Agrasen Institute Of Technology (New Delhi)

Bachelor Of Technology in Computer Science with specialization in AIML | Graduation Year : 2028

Technical Skills

- **Programming Languages:** Python, C++, Java (**Data Structures & Algorithms**), JavaScript, C, SQL (MySQL, PostgreSQL)
- **Web Development & Backend:** HTML5, CSS3, React.js, Node.js, Express.js, Django
- **Databases & BaaS:** MongoDB, MySQL, PostgreSQL, Firebase, Supabase, Prisma ORM
- **AI / Machine Learning & Data Science:** TensorFlow, Keras, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn
- **APIs & Backend Technologies:** RESTful APIs, Socket.io, Google Maps API
- **Developer Tools & Platforms:** Git, GitHub

Experience

Full Stack Web Developer Intern | **TheBookShelves(** *July 2025 – October 2025)*
- Architected RESTful APIs using Node.js/Express to facilitate secure, high-speed data flow between frontend and NoSQL databases.
- Optimized React.js components, improving client-side rendering speed and ensuring responsive user interactions .
- Engineered MongoDB schemas and aggregation pipelines to manage complex data models for end-to-end platform functionality .

Database Developer Intern | **Analyzing.in** (*May 2025 – July 2025)*
- Optimized MySQL Databases by designing normalized schemas and indexing to improve storage and retrieval.
- Developed Server-side Logic in PHP to manage secure database interactions and API endpoints.

Hackathons Experience | **National & College Level** (*2024 – Present)*
- Secured Top 4 and Top 10 positions in national hackathons by deploying functional MVPs for Healthcare and Legal Tech, integrating third-party APIs and ML models under strict 48-hour deadlines.

Projects

RideBuddy – Smart Carpooling Platform | MERN, Socket.io, Google Maps API | LINK
- Designed a peer-to-peer carpooling system for Delhi colleges using the MERN stack, integrating Leaflet.js for mapping and Socket.io for real-time coordination to enable student-led group formation and cost-sharing with realtime chatting.

Low Tension Lines Fault Detection System | MERN, Python, Scikit-learn | LINK
- Developed a MERN-based analytics dashboard integrated with a Scikit-learn ML model to visualize utility grid data, detect power line anomalies, and automate fault reporting for data-driven maintenance scheduling.

Customer Churn Prediction using ANN | Tensorflow, Keras, Scikit-Learn, Numpy, Pandas | LINK
- Built an ANN-based customer churn prediction model with end-to-end preprocessing and performance evaluation using real-world customer data.

Argumate – AI-powered Debate & Communication Platform | NLP, Python, React.js | LINK
- Engineered an AI-driven debate evaluation system using NLP and Python to provide real-time speech pattern analysis, live scoring of argument clarity, and automated performance visualization.

Certifications

- Big Data 101 (By IBM SkillsBuild) :- LINK
- Data Analysis With Python (By IBM SkillsBuild) -: LINK
- Data Fundamentals (By IBM) :- LINK
- Data Science and Machine Learning (By Udemy) :- LINK
- Hacker Rank Certification :- LINK
- 5 Days AI Agents Intensive Course with Google - LINK

Leadership / Extracurricular

- Member of Venture Lab of Startup Sphere (The official Startup society of Mait)
- Open source contributor . (IWOC season3, SWOC, GSSOC)