

Praveen Kumar

LinkedIn | praveenonnn@gmail.com | +91-886-050-8848 | Delhi, India

EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY (FORMERLY DCE)

B.TECH ELECTRONICS AND COMMUNICATION ENGINEERING
Grad. June 2025 | Delhi, India

KENDRIYA VIDYALAYA NO. II DELHI

Grad. July 2021 | Delhi, India

COURSEWORK

- Data Structures
- Algorithm Design and Analysis
- Python Programming
- Natural Language Processing
- Object Oriented Software Eng
- Software Engineering
- Fundamentals of IT
- Theory of Computation
- Computer Architecture
- Soft Computing

SKILLS

CORE COMPETENCIES

• Data Structures • Algorithm Optimization • Analytical Problem-Solving • System Design • FULL STACK Development • AGENTIC AI Development • GENAI Development

PROGRAMMING

• Python • JavaScript • C++ • C • Solidity • Assembly Language

WEB TECHNOLOGIES

• MCP • Docker • CrewAI • Langgraph • Langsmith • LangChain • GEMINI • React.js • Node.js • Tailwind CSS • NoSQL Database (MongoDB) • OPENAI SDK • GIT • GitHub

ACHIEVEMENTS

- Secured 2nd place out of 300 participants in Hackathon BFF
- Outstanding Mentor Award by Delhi govt
- Corporate Head at India's largest film and festival society Yuvaan, securing sponsorship deals

WORK EXPERIENCE

NYAPATA.COM | FOUNDER AND FULL STACK DEVELOPER

[[VISIT](#)]

March 2024 - Jan 2025 | Delhi, India

- Architected and developed a scalable, responsive MERN Real Estate web app with Tailwind CSS, featuring code splitting, Terser inification, and lazy-loading
- Enabled dynamic meta tags (Open Graph, Twitter Cards) for SEO and social preview support across CSR pages.
- Containerized the stack using Docker Compose for easy deployment.
- Built an area-specific property management dashboard, leveraging geolocation for real-time insights
- Engineered secure authentication and authorization protocols using Google OAuth, JWT, and Passport.js
- Added Google Analytics for user insights; enforced code quality with ESLint and Prettier.

CARBON CRUNCH | MERN DEVELOPER INTERN

[[CERTIFICATE](#)]

May 2024 - July 2024 | Delhi, India

- Built a comprehensive carbon emissions tracking dashboard using the MERN stack, improving the user experience and boosting retention by 75%
- Implemented monitoring with Prometheus and Grafana, and structured logging with Winston/Morgan.
- Collaborated with Python developers to integrate Optical Character Recognition (OCR) technology, automating data input from scanned documents and reducing manual processing time by 80%.
- Version available during the internship : <https://carbonc.netlify.com>

PROJECTS

SALES AI AGENT

[[GIT HUB](#)]

Built an AI-powered sales agent to automate cold email generation and delivery for ComplAI.

- Integrated multiple AI tools to generate, evaluate, and select the best sales email before sending
- Automated the process with input guardrails and asynchronous execution for reliability and efficiency.
- Technologies: OpenAI SDK, Gemini, Python.

FINANCIAL RESEARCHER AUTOMATION PROJECT

[[GIT HUB](#)]

Developed an automated research and analysis pipeline using Python and the CrewAI framework.

- Designed and implemented modular agents for data gathering (researcher) and data analysis (analyst), leveraging custom configurations and third-party tools (e.g., SerperDevTool for web search).
- Orchestrated agent collaboration through a sequential process, ensuring comprehensive topic analysis and structured reporting.
- Technologies: CrewAi, Gemini, Python

PORTFOLIO

[[VISIT](#)]

ChatGPT style No-Framework agentic AI portfolio.

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COURSEWORK

- Data Structures
- Algorithm Design and Analysis
- Object Oriented Software Eng
- Software Engineering
- Fundamentals of IT
- Python Programming
- Theory of Computation
- Digital Electronics
- Computer Architecture
- Soft Computing

SKILLS

CORE COMPETENCIES

• Data Structures • Algorithm Optimization • Analytical Problem-Solving • System Design • Frontend Development • Backend Development

PROGRAMMING

• Python • JavaScript • C++ • C • Solidity • Assembly Language

WEB TECHNOLOGIES

• React.js • Node.js • Tailwind CSS • NoSQL Database (MongoDB) • Express.js • MCP Server • Docker • Web3.js for Blockchain Development • Redis • HTML • CSS • MySQL • GIT • GitHub

ACHIEVEMENTS

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WORK EXPERIENCE

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[[VISIT](#)]

March 2024 - Jan 2025 | Delhi, India

- Architected and developed a scalable, responsive MERN web app with Tailwind CSS, featuring code splitting, Terser minification, and lazy-loading
- Enabled dynamic meta tags (Open Graph, Twitter Cards) for SEO and social preview support across CSR pages.
- Added Progressive Web App (PWA) features for offline access, faster mobile load, and installable experience.
- Integrated precise geolocation functionality using APIs, enabling users to directly input property coordinates
- Created a property upload system with Google Drive API integration, allowing seamless media uploads with zero storage costs, achieving 100% cost reduction
- Developed dynamic filters and advanced search algorithms for location-based and criteria-specific property listings
- Built an area-specific property management dashboard, leveraging geolocation for real-time insights
- Engineered secure authentication and authorization protocols using Google OAuth, JWT, and Passport.js
- Added Google Analytics for user insights; enforced code quality with ESLint and Prettier.
- URL: <https://nyapata.com>

CARBON CRUNCH | MERN DEVELOPER INTERN

[[CERTIFICATE](#)]

May 2024 - July 2024 | Delhi, India

- Built a comprehensive carbon emissions tracking dashboard using the MERN stack, improving the user experience and boosting retention by 75%
- Deployed features that contributed to a 50% increase in product sales by enhancing tool usability and user engagement
- Collaborated with Python developers to integrate Optical Character Recognition (OCR) technology, automating data input from scanned documents and reducing manual processing time by 80%.
- Version available during the internship: <https://carbonc.netlify.com>

PROJECTS

SCALABLE VIDEO CHAT APP BACKEND

[[GIT HUB](#)]

Developed a omegle like backend server enabling real-time, anonymous Video Chat between users using WebSockets.

- Developed backend (Node.js, Express, Socket.IO, Redis) with user pairing and rate limiting.
- Containerized the stack using Docker Compose for easy deployment.
- Implemented monitoring with Prometheus and Grafana, and structured logging with Winston/Morgan.

NOTIFYDTU

[[GIT HUB](#)]

Telegram bot using web scraping techniques to monitor college website updates in real-time, providing automated alerts to students

- Technologies: Python, Telegram Bot API, BeautifulSoup, Requests
- URL: t.me/dtutoolsbot