Ranjan Kumar Pandit

B.Tech 2026
Computer Science and Engineering
Rajiv Gandhi Institute of Petroleum Technology (Institute of National Importance)

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Github | Website
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	RGIPT, JAIS	9.20 (Current)	2026-Present

EXPERIENCE

- **Web Development Intern** *July 2024 - Present*
  Industrial Intern CoderOne, India (Remote)
  - Real-Time Chat Application: Developed a chat app with instant messaging, secure authentication, real-time updates, group chat, notifications, and emoticon reactions. Implemented message history retrieval, end-to-end encryption, and ensured responsiveness on all devices. Tools: VS Code, Socket.io
  - Online Learning Platform: Created a platform with secure authentication, course management, interactive tools, progress tracking, live classes, and multi-device accessibility. Included robust notifications, discussion channels, secure payments, and scalable architecture. Tools: VS Code, MongoDB Compass

PROJECTS

- **Digital Dining Restaurant Website** *Jan. 2024 - Present*
  Full-Stack Development Project Github
  - Developed a fully functional restaurant website using HTML, CSS, JavaScript, EJS, Node.js, Express.js, and MongoDB.
  - Implemented user authentication features, including login and registration.
  - Designed a responsive user interface to ensure compatibility across various devices.
  - Created a subscription feature to manage user subscriptions and updates
  - Utilized EJS for dynamic content rendering on the server-side.
  - Leveraged MongoDB for efficient data storage and retrieval.
  - Integrated with a chatbot that can assist customers with queries, take orders, or provide information about the restaurant.
  - Integrated Razorpay for secure online payments

- **Crop Disease Prediction System** *Sept. 2024 - Present*
  Web Development, Machine Learning, and Chatbot Integration Project Github
  - Implemented a full-stack web app for plant disease detection using TensorFlow, hosted via Flask.
  - Integrated a chatbot that accepts text and images for disease prediction and treatment suggestions using OpenAI's GPT-4 API.
  - Deployed, fine-tuned, and trained a TensorFlow Hub model on an 80K+ dataset for plant disease classification.
  - Built a responsive web interface with HTML, CSS, and JavaScript supporting real-time chat and image uploads.
  - Utilized Python libraries such as Pillow for image preprocessing and requests for handling media inputs.
  - Integrated Twilio's WhatsApp API for image uploads and chatbot interaction for disease prediction and treatment suggestions.

- **Billing System in Resturent** *Dec. 2023 - Jan. 2024*
  Software Development Project Github
  - Built a console-based application using C++ for managing orders and generating bills in a restaurant.
  - Automated bill generation, including calculations for total cost, taxes, and discounts.
  - Managed menu items, orders, and billing processes through structured data handling and efficient algorithms.
  - Utilized object-oriented programming principles to ensure code modularity and maintainability.
  - Enhanced user experience by providing clear prompts and error handling throughout the application.

SKILLS

- **Relevant Coursework**: Data Structures, Algorithms Analysis, Database Management, Web Technology, Systems Programming, Computer Architecture, Discrete Maths, Linear Algebra, P/RP, OS, TOC, AI/ML
- **Languages-Frameworks, Libraries**: C++(Proficient), Python, C, HTML/CSS, JavaScript, SQL, HTML5, CSS3, React.js,Tailwind CSS, Node.js, Bootstrap, ReactJs, MongoDb, Linux, Flask, TensorFlow, TensorFlow Hub
- **Tools**: Git/GitHub, VS Code, Microsoft SQL Server, Canva, Figma
- **Soft Skills**: Communication, Team Work, Creativity, Leadership

ACHIEVEMENTS

- **4 Star Rating on GeekForGeeks.**, 1823+ rating
- **Specialist at Code360 By Coding Ninjas**, 1810+ rating
- **Bronze Medal By S.P.**, Awarded Bronze Medal by S.P. for academic excellence, ranking top in the district
- **Received a trophy from the Director of Z.A. Islamia College(Siwan)**, for securing the top rank at Science Academy.

CODING PLATFORMS

- **GeekForGeeks** • **Code360 By Coding Ninjas** • **CodeChef** • **LeetCode** • **InterviewBit**