Rudra Pratap Singh

Android and Web Developer

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PROFESSIONAL SUMMARY

Skilled web & app developer pursuing B.Tech in CS. Focused on user-friendly, visually appealing digital solutions. Proficient in programming, problem-solving, math, and physics. Committed to continuous learning in emerging technologies.

EDUCATION

- **High-school**
  Kisan Inter College
  07/2015-05/2017   86.0
- **Intermediate**
  Kisan Inter College
  07/2017-05/2019   73.4
- **BTech In Computer Science**
  Amal Jyothi College of Engineering Autonomous
  11/2022 – Present   8.09
- **BSc. in Mathematics and Physics**
  Awadh University, Ayodhya
  05/2020 – 05/2023   55%

SKILLS

Frontend Development: React.js, HTML, CSS, Tailwind CSS
Backend Development: Node.js, Express.js, Flask (Python)
Databases: MongoDB, MySQL
Android Development: Kotlin
Version Control: Git, GitHub
Software & Tools: Unity
Programming Languages: Java, Python, C

ACHIEVEMENTS

Webmaster at IEEE SB AJCE.
Core Web Team Member, GDG AJCE.
Active member of BlankSpace and ACM AJCE.

CERTIFICATIONS

MongoDB – MongoDB University, Oct 2024
Node.js & Express.js – Udemy, Feb 2024
React.js – Udemy, Oct 2025
Android Development with Kotlin – Udemy, Apr 2025
HTML5, CSS3, JavaScript & Flask – Udemy, Oct 2023
Python – Infosys Springboard, May 2024
Scikit-learn & PyTorch – Udemy, Oct 2025

PROFESSIONAL EXPERIENCE

Webmaster – IEEE SB AJCE, Dec 2024–Present
Managed IEEE SB AJCE website and created event-specific websites for IEEE.
Core Web Team Member – GDG AJCE, 2025–Present
Developed web solutions and collaborated on team projects.
Hackathons – 2023–Present
Participated in national-level hackathons including SIH, GDG, NASA, and Acsia.
Department Project – CSE Dept, AJCE, Sep 2024–Present
Contributed to ongoing projects, assisting in technical implementations.

LANGUAGES

Hindi , English , Punjabi , Malayalam

ROJECTS

AI Career Searcher – Completed
React, Node.js, MongoDB, Express, Tailwind CSS
AI-powered career guidance and assessment platform.

AquaWatch – Sep 2024 to Present
React.js, MongoDB, Express.js, Tailwind CSS, Kotlin
Automated system for real-time monitoring and control of fish ponds with IoT sensors.

AgriGuard – 2025 to Present
ESP32, React, JavaScript, Express.js, MongoDB, Kotlin, PyTorch
IoT and AI system for monitoring mushrooms, disease detection, alerts, dashboard, and AI-based edible/non-edible classification.

Online Compiler – Completed
React, Flask, Python, Monaco Editor, Vite, Node.js
Web-based multi-language code compiler and executor with real-time output.

VisionCraft♥ – Completed
React, Flask, Python, Tailwind CSS, Framer Motion
All-in-one image processing and editing platform.

Emerald Eye – Completed
React, Python, Chart.js, Node.js, MongoDB, Tailwind CSS
Platform for analyzing carbon emissions and forest coverage in India.

ACAWS – Adaptive Cognitive & Wellness System – 2025 to Present
React, Vite, Tailwind CSS, Node.js, Express, MongoDB, Python, scikit-learn
AI-powered platform for learning, wellness, cognitive analytics, and community engagement.

DSA_TRACER –Completed
React, Vite, Tailwind CSS, Node.js, Express, MongoDB
Tracks DSA progress, competitions, analytics, and achievements.

CardGEN – Logo & Business Card Generator – 2025 to Present
Node.js, Express, React, Python, FastAPI, Vite
Generates logos and printable business cards with programmatic design and QR codes.

SummarIQ – Completed
React, Node.js, OpenAI API, Tailwind CSS, Express
AI-powered PDF summarizer and Q&A generator.

Dynamic Task Manager – Completed
Python, SQL, SQLite, HTML, CSS, JavaScript
Advanced to-do list application with task tracking and history.

Las Vegas Algorithm Visualizer – Completed
React, JavaScript, D3.js, Tailwind CSS
Interactive visualizer for Las Vegas randomized algorithms.