

Rachit Singh

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PROFESSIONAL SUMMARY

Computer Science student with a deep curiosity for technology and its potential to solve real-world challenges. I've honed my skills in data structures and algorithms, specializing in JavaScript development and database management through hands-on projects. My collaborative approach and leadership experience have enabled me to deliver solutions that make a tangible difference across various domains.

EDUCATION

MIET, Meerut, B.Tech Computer Science Engineering <i>Coursework: Data Structures, Algorithms, Machine Learning, DBMS</i>	2022 – 2026
All Saints School, Intermediate (CBSE) <i>PCM(Physics, Chemistry & Maths)</i>	2020 – 2022

TRAINING & PROJECTS

Marketing Analytics & Campaign Optimization Platform - link	2024
<ul style="list-style-type: none">Developed attribution modeling system analyzing customer journey across 10+ digital touchpointsImplemented ML algorithms for marketing mix modeling and budget allocation optimizationBuilt automated reporting system for campaign performance analysis (CTR, CPA, ROAS, LTV)Created predictive models for lead scoring achieving 78% improvement in ROI optimizationTechnologies: Python, SQL, Google Analytics API, Facebook Ads API, Tableau, Pandas	
Prospera AI — Next JS, Gemini API, Tailwind CSS - link	2024
<ul style="list-style-type: none">AI-based career counseling website with intelligent recommendation algorithms using Gemini APICreated student-focused tools with beautiful UI and user-friendly flows for career path selectionMade an AI CHATBOT for personalized career responses based on student queriesBuilt responsive architecture handling 1000+ concurrent users with Next.js server-side rendering	
Satellite Image Segmentation — Python, TensorFlow, Google Colab - link	2024
<ul style="list-style-type: none">Developed terrain classification system using deep learning models achieving 92% accuracyImplemented CNN and U-Net architectures for satellite imagery analysis and terrain identificationCreated automated pipeline for analyzing remote geographical areas using pre-trained modelsApplied data augmentation techniques and transfer learning for diverse terrain performance	

EXPERIENCE

Novoguard LLC, Sheridan, WY, United States 82801	OCT 2024 - Jan 2025
<i>Software Development Intern(Verified Care)</i> - link	Remote
<ul style="list-style-type: none">Implemented responsive web components and user interfaces to enhance clinic discovery and booking experiencesBuilt and optimized RESTful APIs for clinic data management, search functionality, and user authentication systemsCollaborated with cross-functional teams to integrate third-party mapping services and geolocation features.	

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, HTML/CSS, SQL

Data Science & Analytics: Pandas, NumPy, Scikit-Learn

Visualization & BI Tools: Tableau, Matplotlib

Deep Learning & CV: TensorFlow, Keras, OpenCV, CNN

Databases & APIs: MySQL, MongoDB, Google Analytics API

Tools & Technologies: Git, VS Code, Node.js, React.js, Arduino IDE

CERTIFICATIONS: MongoDB: CRUD operations, Advanced Schema designing

Coursera: Tools of Trade(SQL)