Devansh Kumar Gupta

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Education

Vellore Institute of Technology, Bhopal   **Bhopal, Madhya Pradesh**
Bachelor of Science in Computer Science, CGPA - 9.22   *Oct 2022 – July 2026*

Skills

Python, C/C++, SQL, JavaScript, HTML/CSS, React.js, Next.js, Node.js, Express.js, MongoDB, Expo, React Native, AWS (EC2, RDS, S3, Lambda, Amplify), Git, GitHub

Projects

Cloud-Native Agile Workflow and Client Management Platform — *Next.js, Tailwind CSS, Redux Toolkit, Node.js, Express, Prisma, PostgreSQL, AWS EC2, RDS, S3, Amplify, API Gateway*   **April 2025**
  – Engineered and deployed a full-stack project management dashboard used by **10+ active users** for agile task tracking, team collaboration, and project reporting.
  – Implemented dynamic frontend using Next.js, Tailwind CSS, Redux Toolkit Query, and Material UI Data Grid for responsive design and real-time updates.
  – Developed backend REST APIs using Node.js and Express.js, with Prisma ORM handling relational PostgreSQL database models and query optimization.
  – Integrated AWS cloud infrastructure including EC2 (Elastic Compute Cloud), RDS (Relational Database Service), API Gateway, Amplify and S3 (Simple Storage Service)
  – Enabled Gantt chart visualization and project-client associations through scalable architecture and modular API endpoints.
  – GitHub: *github.com/CodeReb00t/Shedly*
  – Live: *main.dbadtie57oyg2.amplifyapp.com*

Modern Backend Acceleration Kit for Startups and Indie Developers — *Node.js, Express.js, MongoDB, JWT*   **May 2025**
  – Designed and developed a modular, production-ready open-source backend framework to accelerate MVP development for startups and solo developers.
  – Packaged core backend features including user authentication (JWT), REST API routing, MongoDB database abstraction layer, and customizable logging middleware.
  – Achieved **390+ weekly downloads** on npm with active community adoption, highlighting real-world applicability and developer productivity.
  – Published full documentation with usage examples and service extension guides for rapid onboarding and contribution.
  – NPM: *npmjs.com/package/dbackend*
  – GitHub: *github.com/CodeReb00t/dbackend*
  – Documentation: *dbackend-docs.vercel.app*

Scalable Micro-App Ecosystem for Academic and Campus Utilities — *React Native, Expo Router, Redux Toolkit , NativeWind*   **June 2025**
  – Engineered a modular React Native mobile application to centralize campus utilities such as mess menu digitization, announcements, and real-time services.
  – Architected micro-app navigation and shared state management using Expo Router and Redux Toolkit to ensure seamless UX across modules.
  – Adopted by **5+ students** on campus daily, showcasing practical adoption for academic life simplification and accessibility.
  – APK: *CampusOS APK Link*

Achievements

ISRO Robotics Challenge   **Sept 2023 – Jan 2024**
  – Selected from over **50+ teams** for innovative autonomous Mars rover design at ISRO URSC Challenge.
  – Contributed as **core software team member**, researching autonomous navigation, computer vision, and rover path planning algorithms.
  – Collaborated cross-functionally with mechanical and electrical sub-teams for seamless system integration.
  – Advanced to inter-college finals as one of the top **5–10 teams** selected by ISRO's evaluation panel.

Certifications and Technical Achievements   **Oct 2022 – Present**
  – **AWS Certified Cloud Practitioner** – foundational certification for cloud concepts, billing, and security.
  – **LeetCode Knight Badge Holder** – earned for consistent algorithmic problem-solving and top-tier ranking on LeetCode platform.