

# Charan Raj Kandula

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## SUMMARY

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Skilled Computer Science graduate with expertise in software development, testing, bug fixing, and automation. Experienced in web and app development, database management, system troubleshooting, and improving software usability and functionality. Passionate about AI/ML, cloud computing, and building scalable solutions.

## TECHNICAL SKILLS

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- **Cloud & DevOps (GCP):** Firebase, Firestore, Cloud Run, Cloud Functions, Compute Engine, Cloud Storage, IAM, Cloud Logging, Cloud Monitoring, CI/CD, GKE, Pub/Sub
- **Backend:** Node.js, Express.js, Python, RESTful APIs, MongoDB, MySQL, PostgreSQL
- **Frontend:** JavaScript (ES6+), TypeScript, React, HTML5, CSS3, Bootstrap
- **Tools:** Git, GitHub, Docker, VS Code, PowerShell
- **AI & ML:** Gemini, Vertex AI, OpenAI (GPT-4, DALL·E, Whisper), LLM API Integration

## PROFESSIONAL EXPERIENCE

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**Software Developer** **Jul 2024 – Aug 2025**

**AKOHR LLC, New York, NY**

- Architected and developed a full-stack Personalized Software Management product to enhance user productivity and lifestyle data management.
- Engineered innovative chatbots and interactive features, increasing user engagement metrics by 15%.
- Developed secure dashboards for managing sensitive patient health data.
- Performed data analysis to inform product development and strategic decisions.

**UI/UX Developer Intern** **Jan 2024 – Jun 2024**

**3DEngine, Prosper, TX**

- Designed and developed responsive frontend layouts to present complex 3D data.
- Built interactive components (e.g., virtual joystick) for navigating 3D models.
- Optimized database queries, reducing retrieval time by 20%.
- Maintained CI/CD pipelines ensuring stable deployments.

**Full Stack Developer Bootcamp** **Jul 2022 – Dec 2023**

**Abort AI, Piscataway, NJ**

- Built SPAs with Angular and React, improving usability and design.
- Designed backend architecture and REST APIs using Node.js and Express.js.
- Leveraged AWS and Docker for scalable deployments.

**Research Assistant** **Jan 2022 – Jun 2022**

**Stevens Institute of Technology, Hoboken, NJ**

- Contributed to accessibility research across Android, iOS, and web platforms.
- Developed applications to test and validate usability insights.

**Human Resources Assistant**  
**Amazon, Hyderabad, India**

**Jan 2021 – Dec 2021**

- Trained staff on new technical systems, improving team efficiency by 30%.
- Extracted and analyzed employee data using SQL/Excel to support decisions.

**Software Developer**

**Jan 2020 – Dec 2020**

**Synactive India Pvt Ltd, Hyderabad, India**

- Delivered high-performance software solutions for 10,000+ users, boosting engagement by 50%.
- Implemented key features (document view, night mode, voice assistant).
- Improved app stability by 25% via optimized Android development and API integrations.

## **PROJECTS**

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**AI Video Generation Platform | React, Python, OpenAI, MoviePy, Firebase, GCP**

- Built automated system generating documentary-style videos from text prompts with GPT-4o narration, OpenAI TTS, DALL·E, and MoviePy.
- Reduced manual video production time by 95% with cloud storage and real-time dashboards.

**Personalized Software Management (PSM) | Node.js, React, MongoDB**

- Developed productivity management app with AI-powered recommendations, habit tracking, and analytics.
- Designed micro-frontend architecture with REST APIs for scalability.

**Learning Management System | Node.js, Express.js, MongoDB**

- Led team of 6 to build an LMS platform serving 500+ students.
- Executed ETL pipelines for student data migration and built responsive UI/UX.

**University Android App | Java, Firebase**

- Launched app with resume builder, GPA calculator, and cloud storage features.
- Achieved 10,000+ downloads and 4.5-star rating, improving engagement by 50%.

## **EDUCATION**

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**St. Francis College, Brooklyn, NY**

**Mar 2025 – Present**

Master of Science in Computer Science

**Stevens Institute of Technology, Hoboken, NJ**

**Jan 2022 – May 2023**

Master of Science in Computer Science

Relevant Coursework: Web Programming, Java, Python, Android, AI/ML

**Jawaharlal Nehru Technological University, Hyderabad, India**

**2020**

Bachelor of Science in Mathematics

## **LEADERSHIP & CERTIFICATIONS**

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- Managed two development teams with Agile methodology, improving productivity by 30%.
- Certifications: Java, Python, React, Angular, Android App Development