ARCHANA SONDUR

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EDUCATION
August 2024-May 2026

M.S. in Computer Science
Coursework: Analysis of algorithms, Web Technologies, Applied Natural Language Processing, Machine Learning, Security Systems, Multimedia Systems design **GPA: 3.67/4**

B.R.A.C.T s Vishwakarma institute of Information Technology
August 2019-May 2023
Bachelor of Technology (B. Tech.) in Computer Engineering
Coursework: Operating Systems, High Performance computing, Computer Architecture, Database Systems Management **GPA: 3.8/4**

WORK EXPERIENCE

Genmark AI, Software Engineering Intern
June 2025-August 2025
- Built and shipped end-to-end product features using React, TypeScript, Tailwind, and Flask, including authentication flows, profile management, and media uploads in a fast-paced startup environment.
- Iterated quickly using AI coding tools and internal prototypes to accelerate development and improve developer velocity.
- Wrote REST APIs and data models, added input checks and pagination, and standardized error messages. Added basic tests and a GitHub Actions check.
- Hackathon: prototyped a Unified Inbox on the same stack to aggregate business signals, track marketing-post performance, and surface competitive strengths and gaps.

Till It Clicks, Web Development Intern
June 2022-August 2022
- Designed and deployed 5+ business websites using WordPress, Wix, and Avada, increasing user engagement by ~25%
- Implemented responsive front ends using HTML, CSS, and JavaScript, reducing load time by 40% and improving accessibility

Crash consistency in file systems, Research Intern
August 2022-December 2022
- Conducted systems research under Dr. Sachin Sakhare, analyzing journaling, log-structuring, and shadow paging techniques.
- Developed a simulation tool to evaluate fault recovery mechanisms and co-authored a paper published in Springer Lecture Notes in Networks and Systems (July 2023)

ACADEMIC PROJECTS

Forge, Full Stack Job Tracker, React, Node.js, PostgreSQL, TypeScript
May 2025-July 2025
- Designed and built a production-grade job tracking platform with Kanban workflows, filters, and scalable PostgreSQL schema, owning feature development from scoping to implementation
- Building reusable React components and backend APIs to manage user workflows
- Focused on usability, clean UX, and scalable data design

Skimsy, AI Document Summarizer, React, Flask, OpenAI API
May 2025-June 2025
- Built an AI-powered document summarization tool using React and Flask, integrating LLM APIs to generate structured summaries and enable fast preview, iteration, and content understanding
- Building clean, interactive UI for summarization preview and document management
- Emphasizing responsive design and clarity in output handling

SkyCast, Real-Time Weather Insights
August 2024-December 2024
- Built a real-time weather app using Angular, TypeScript, and Bootstrap, making weather insights more accessible and interactive. Developed a scalable backend with Node.js, Express, and MongoDB, improving data retrieval efficiency
- Integrated geocoding and interactive charts, allowing users to explore weather trends across multiple locations
- Also built a native iOS version using Swift and UIKit as a parallel extension to the web app

SKILLS
- Languages & Frameworks: Python, TypeScript, JavaScript, C++, Java, React, TailwindCSS, Flask, Node.js
- Databases & Cloud: PostgreSQL, MongoDB, Firebase, AWS, GCP, REST APIs, CI/CD

PUBLICATIONS
- "Comparative Analysis of Crash Consistency Techniques in File Systems", Proceedings of the NIELIT's International Conference on Communication, Electronics and Digital Technology, Lecture Notes in Networks and Systems 676, under exclusive license to Springer Nature Singapore Pte Ltd. 2023 (July 2023)
- "Smart City IoT Data Management with Proactive Middleware", International Journal on Recent and Innovation Trends in Computing and Communication (May 2023)