

Barani VA

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🌐 [Barani Anandakumar](#)

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Education

Valliammal College for Women

Master of Science in Computer Science

Vels University

Bachelor of Computer Application (GPA: 10.00 / 8.86)

2024 - 2026 (Ongoing)

Chennai, Tamilnadu

May 2024

Chennai, Tamilnadu

- **Relevant Coursework:** Data Structures and Algorithms, Statistics, Intro to C++, Python, Programming in JAVA
- **Scholarship:** Awarded Rs. 3000 for securing 3rd rank in the department.

Internship

SAAS Consult

Digital Marketer Intern

June 2023

Chennai, Tamilnadu

- Assisted in implementing and running digital marketing campaigns through various social media channels, boosting engagement
- Analyses competitor pages to locate backlink and keyword opportunities.
- Utilized Google Workspace (Docs, Sheets, Gmail) for team collaboration and improved communication across marketing projects.
- Gained practical experience in marketing automation and campaign management

Projects

Open Source Contributions — Hacktoberfest and GirlScript Summer Code Extended | 2024

- * Contributed to multiple open-source projects, including:
 - * Developed an accordion component for a glassmorphic component library in TypeScript.
 - * Implemented a search functionality for an e-commerce platform (Icyco) using JavaScript.

JobConnect AI - Voice-Accessible Job Platform | React Native, Firebase, Gemini AI, Google Maps API

- * Developed a mobile application for Google Solutions Challenge 2025 connecting blue-collar workers with local job opportunities using voice technology to overcome literacy barriers.
- * Implemented multilingual support in five languages with text-to-speech and voice search functionality using native speech recognition APIs.
- * Integrated Gemini AI to analyze job listings, providing safety ratings and information to protect vulnerable workers before accepting positions.
- * Engineered location-based job matching using Google Maps API to connect workers with nearby opportunities based on proximity and skill requirements.

Bart – A Custom Programming Language | Python

- * Developed a custom programming language with a lexer, parser, and interpreter to process arithmetic expressions, conditionals, and loops.
- * Implemented tokenization, operator precedence, and variable storage for structured execution.
- * Built a REPL interface for interactive code execution and debugging.

Technical Skills

Languages: Python, Javascript and its frameworks, HTML, CSS, MySQL, Java, **Technologies:** Microsoft office suite, Google workspace, **Tools:** Postman API, Jupyter Notebook, **Strengths** Problem Solving, Data Structures, Version Control (Git), Agile Collaboration

Soft Skills

Language: Tamil, English **Competencies :** Analytical thinker with a structured problem-solving mindset, Strong team collaboration and communication abilities, Excellent time management, adaptability, and attention to detail, Comfortable explaining technical ideas to both technical and non-technical audiences