Ronil Prasad

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CANDIDATE INFORMATION

Name: Ronil Prasad
Date of Birth: 22nd March 2005
Gender: Male
Marital Status: Single
Target Role(s): Software/Network Security Engineer.

EDUCATION

- **University of the South Pacific** | Suva, Fiji
  Bachelor of Software Engineering | 2024 | Expected Graduation April 2028
  - **Relevant Coursework:** Computer Networks, Computer Architecture, Cybersecurity Principles, Data Structures, Project Management, Design and Analysis of Algorithms, Database Management Systems, Cloud Computing, Operating Systems, Web Application Development, Software Design & Implementation, Requirements Engineering.
- **Naleba College**:
  Year 9 – 13 | 2019 – 2023
- **Wavuwavu Primary School**:
  Year 1 – 8 | 2011 – 2018

PAST PROJECTS

- **Personal Website & "GOAT" AI Assistant**
  ronilprasad8.tech
  - Designed a professional portfolio featuring a **"View My Logic"** portal that links directly to my **USP e-portfolio**, providing academic validation of technical methodologies and system architecture.
  - Engineered a Python-based AI chatbot leveraging NLP concepts to autonomously handle user queries regarding technical methodologies, enhancing portfolio interactivity and user engagement.
- **Intelligent Document Assistant (Lead Developer)**
  - Developed an automated tool in Python to parse project structures and generate professional Markdown documentation.
  - Optimized workflows by automating the creation of "ReadMe.md" files, significantly reducing manual documentation time.
- **File Server & Client Architecture**
  - Developed a secure client-server file transfer protocol utilizing Python sockets, supporting concurrent downloads and maintaining 100% data integrity during active network transfers.

CORE STRENGTHS

- **Innovative AI & Automation:** Proven track record in engineering AI-driven solutions, such as the **"GOAT" AI assistant** and the **Intelligent Document Assistant**, to automate documentation and enhance user engagement.
- **Full-Stack Technical Versatility:** Expertise spanning from high-level web development (Python, Java, JavaScript) to low-level systems including **Assembly Language** and **Binary**.

GROWTH AREAS

- **Commercial Scale Integration:** Actively transitioning high-level academic and personal project expertise into large-scale, high-pressure corporate environments.
- **Emerging Technology Expansion:** Focused on diversifying a robust backend and networking foundation with emerging cloud-native and mobile application microservices.

SKILLS & INTERESTS

- **Computer:** Python, Java, C++, C, SQL, HTML, JavaScript, Wombat Machine Code, MS Office, VS Code, Linux/Terminal Operation, Socket Programming
- **Tools:** VS Code/Antigravity, Stitch, Artificial Intelligence, MS Office, Visio, MS Project, MySQL, Cisco Packet Tracer, Wireshark.
- **Concepts:** Network Diagrams, ER/Class Diagrams, DSA, Virtualization.
- **Languages:** English, Hindi.