Arpandeep Singh

602-880-3175 | [Email](#) | [Linkedin](#)

EDUCATION

Arizona State University   Tempe, AZ
Bachelor of Science in Computer Science | GPA: 4.0   *Expected: May 2026*

EXPERIENCE

AI Software Developer | Atya Labs | Tempe, AZ   *May 2024 – Present*
- Engineered a RAG-powered AI agent with OpenAI embeddings, Pinecone, and Supabase Auth, achieving 90% faster document retrieval from Google Drive via secure semantic search.
- Automated SEO analytics pipelines using Google Search Console & Analytics APIs to auto-generate AI-driven PowerPoint/PDF reports, saving 15+ analyst hours per report and boosting client retention by 20%.
- Developed an AR Door & Window Visualizer with React, Tailwind, and Firebase, enhancing catalog engagement 2.5× and reducing seller onboarding time by 60%.

Software Developer Intern | VB Cosmetics Inc. | Chandler, AZ   *May 2025 – Aug 2025*
- Automated processing of 15K+ QA PDFs using Java & Selenium, cutting manual effort by 90% and accelerating QA cycles by 95%.
- Integrated Amazon SP-API with SYSPRO ERP through a secure Python middleware (OAuth), reducing integration costs by $12K annually.
- Deployed ETL pipelines to migrate 100K+ Zendesk tickets to Salesforce with 100% field-mapping accuracy, enabling real-time analytics for six departments.
- Designed Power BI dashboards integrated with SYSPRO ERP, automating KPI tracking and shortening reconciliation cycles by 30%.

PROJECTS

SmartHabit | *Spring Boot, React, JWT, PostgreSQL, Python, AI Scheduler*
- Architected an AI wellness platform combining predictive models and habit-tracking analytics to boost user consistency by 45% through personalized scheduling.
- Delivered JWT-secured REST APIs in Spring Boot supporting 10K+ sessions and integrated real-time dashboards for progress visualization and adherence trends.

InsightMail | *Python, FastAPI, LangChain, Streamlit, Gmail API, Firebase*
- Developed an AI-powered email intelligence system using Gmail API & OAuth, achieving 92% tone and urgency detection accuracy.
- Leveraged LangChain and OpenAI models to summarize threads and generate actionable insights, reducing manual inbox triage time by 70%.
- Built an interactive Streamlit dashboard for visualizing sentiment, response rate, and communication efficiency across user accounts.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C/C++, SQL (PostgreSQL, MySQL), HTML/CSS
Frameworks & Libraries: React, Spring Boot, FastAPI, Node.js, LangChain, PyTorch, TensorFlow, Streamlit, Tailwind CSS, Flask
Databases & Cloud: Firebase, Supabase, PostgreSQL, MongoDB, Pinecone, Google Cloud Platform, AWS
Developer Tools: Git, Postman, VS Code, Cursor, IntelliJ, PyCharm, Power BI, Jupyter
AI & APIs: OpenAI API, Google Search Console API, Gmail API, OAuth 2.0, RESTful APIs, Pinecone Vector DB, LangChain RAG Pipelines

LEADERSHIP

Vice President, ACEL–ASU: Directed 20+ high-impact professional and cultural events engaging 500+ attendees, advancing AAPI leadership, mentorship, and career development.
Treasurer, Startup Village: Secured $5,000+ in ASU funding to organize large-scale entrepreneurial events, strengthening campus innovation and startup collaboration.
Undergraduate Teaching Assistant: Mentored and guided 1,000+ computer science students through instruction, labs, and assessments, improving engagement and academic outcomes.