Arvind Puthucode

[Github](#) | [Linkedin](#) | 123arvindputhucode@gmail.com

EDUCATION

PSG COLLEGE OF TECHNOLOGY   Coimbatore, IN
Masters of Science   May 2024
Major in Theoretical Computer Science;
Cumulative GPA: 8.9/10.0;
Interested Relevant Coursework: Advanced Algorithms; Reinforcement Learning; Stochastic processes.

WORK EXPERIENCE

Lossfunk — Startup Residency Fellow | Jan 2025 – Present

- Built SignalNotNoise, an algorithmic approach to influencer marketing focused on signal extraction over vanity metrics

- Identified structural limits in campaign-centric workflows and pivoted based on market demand capitalization.

- Now building [ScoutFox](#), a web intelligence monitoring tool for tracking emerging signals and strategic insights

Data Genie (Remote) - **Data Scientist** — *Jan 2024 – Oct 2025*

- **Customer Engagement:** Collaborated with clients including Logitech and LexisNexis India to translate business needs into technical data solutions.

- **Microservices:** Designed and implemented two large-scale end-to-end service systems using advanced MongoDB aggregations.

- **Algorithm Development:** Built a KPI metric framework using the HLL (HyperLogLog) algorithm for efficient distinct metric aggregation.

- **Scalable Data Pipelines:** Contributed to a major pipeline re-architecture using PySpark, reducing latency to milliseconds and scaling from 1M to 100M+ time-series aggregations.

- **Database Migration:** Led PostgreSQL to MongoDB migration for time-series data storage optimization.

- **LangChain Enhancement:** Developed features for an internal chatbot using LangChain and LangGraph.

KLA Tencor — *Chennai, IN*
Software Developer Intern — *Jun 2022 – Dec 2022*

- Developed scalable and performant charting tools for large datasets using Angular, D3.js, and Plotly.js.

- Optimized front-end components for better data visualization and user experience.

PASSION PROJECTS

[VentureX](#)

An agentic AI-powered venture capital platform:

- Matched startups with VCs using automated due diligence of pitch decks, team profiles, and market insights.

- Built a decision-support engine generating investment memos with risk assessments and financial analysis.

- 🏆 Won the $300 prize at Agno AI Framework Hackathon 2025.

Deakin University (Remote Research Project) — *Jan 2022 – Jun 2022*
Worked under Prof. Mohamed Abdelrazek on:

- Automating preprocessing for structured data: outlier and drift analysis using Python and statistical modeling.

ADDITIONAL

- **Technical Skills:** PySpark, Airflow, LangGraph, Game Theory

- **Programming Languages:** Python, Rust

- **Awards & Competitions:**

  - **ICPC Regionals Amritapuri 2020: Regional rank 203**

  - **Locus Hackathon Winner: Built an MVP for road safety tech.**
    More Details