

Pranay Varshney

pranay.varshney9@gmail.com | +91-96674-98580 | [LinkedIn](#) | [GitHub](#) | Gurugram, India

EXPERIENCE

DevRev

Bengaluru, India

Member of Technical Staff

Jun 2024 – Present

- Core member of the AI Agents team building **Agent Studio**, a platform for designing, orchestrating, and managing deterministic and non-deterministic AI agent workflows at scale
- Develop full-stack features across the agent management stack using **React/TypeScript** on the frontend and **Go** on the backend
- Directly contributed to a product line that drove **multiple enterprise deals exceeding \$2M+** in annual contract value
- Mentor engineering interns on technical development, code reviews, and system design

Qualcomm

Hyderabad, India

Software Engineering Intern

May 2023 – Aug 2023

- Containerized microservices and REST API endpoints for an enterprise-level automation system, **deploying globally on Kubernetes** and building a **Splunk** log forwarding and alerting pipeline to improve reliability and cut incident response time

National Centre for Polar and Ocean Research

Goa, India

Data Science Intern

May 2022 – Jul 2022

- Developed machine learning models to predict polar weather patterns (temperature, wind speed) using time-series analysis on hourly meteorological data

Birla Institute of Technology and Science, Pilani

Goa, India

Teaching Assistant

Sep 2022 – Apr 2023

- TA for **Computer Architecture** (Spring '23) and **Object-Oriented Programming** (Fall '22) for undergraduate and graduate students

Data, Systems and High-Performance-Computing Lab, BITS Pilani

Goa, India

Undergraduate Research Student

Mar 2022 – Jul 2024

- Worked as an undergraduate research student under **Dr. Arnab K. Paul** on various **Parallel File System** projects
- Set up a **32-node cluster** in the lab consisting of over 20 Raspberry Pis, 3 storage servers, and client nodes

PROJECTS

Sage | *SwiftUI, SwiftData, Swift Charts, ActivityKit*

- Built a local-first, fully offline iOS personal finance tracker with **on-device SMS parsing** using custom heuristics to disambiguate transaction amounts from balances and noise
- Designed a custom, spring-animated **Dynamic Island** interaction via ActivityKit for real-time transaction approval, backed by an encrypted **SwiftData/Keychain** persistence layer

Storage Management and Analysis of GeoFencing Data | *HiveMQ, GlusterFS, Avro*

- Built a system to collect real-time location coordinates from an Android app and send them to a server over heterogeneous network channels — **Bluetooth, Wired, and Wi-Fi**
- Pushed collected data to the public **HiveMQ** broker via a publisher server, later consumed by subscribers and stored in a **GlusterFS** parallel file system consisting of 6 storage targets

Distributed Scheduler | *Python, ZeroMQ, Django, Docker*

- Built a distributed scheduler that harnesses the latent CPU power of personal computers to schedule serverless functions across a **ZeroMQ**-connected network

Auto Conversion Script for Diamond Pattern | *JavaScript, Solidity, AST*

- Developed a script that parses a Solidity contract's **AST** to automatically convert a standard smart contract into a **Diamond Pattern** contract

TECHNICAL SKILLS

Languages: TypeScript, Go, JavaScript, Python, C++, Java, SQL, HTML, CSS

Frontend: React, Redux, Chakra UI

Backend & Data: Go, Node.js, Express, MongoDB, REST APIs, Microservices

Infrastructure & Tools: Docker, Kubernetes, Git, Splunk, CI/CD, Linux

EDUCATION

Birla Institute of Technology and Science, Pilani — Goa Campus

Goa, India

*Bachelor of Engineering in Computer Science; **CGPA: 9.2 / 10.0***

2020 – 2024

PUBLICATIONS

S. Bansal, P. Mittal, **P. N. Varshney**, and A. K. Paul, “PeerCompute: Trust Enabled Decentralized Scheduler for Serverless Computing,” in *2023 IEEE 30th International Conference on High Performance Computing, Data and Analytics Workshop (HiPCW)*, Goa, India, 2023. [\[IEEE Xplore\]](#)

A. Parab, **P. N. Varshney**, N. Govindaraj, K. Korgaonkar, and A. K. Paul, “Towards Mutable Smart Contracts in a Blockchain,” in *2023 IEEE 30th International Conference on High Performance Computing, Data and Analytics Workshop (HiPCW)*, Goa, India, 2023. [\[IEEE Xplore\]](#)

HONORS & AWARDS

Best Lightning Talk (Undergraduate) — IEEE International Conference on High Performance Computing (HiPC), 2023