

Pradum Kumar



LinkedIn: [linkedin.com/in/pradum-kumar](https://www.linkedin.com/in/pradum-kumar)
GitHub: github.com/Pradum-codes


Email: pradumky803@gmail.com
Mobile: +91-7209854942

SKILLS

Programming Languages: C++, Java, JavaScript (ES6+), Python, Kotlin, SQL
Frontend Development: React.js, Tailwind CSS, HTML5, CSS3, Jetpack Compose
Backend Development: Node.js, Express.js, RESTful API Design, MongoDB, Mongoose, JWT Authentication
Tools & Deployment: Git, GitHub, Docker, Linux, Vercel, Gradle, Android Studio
Core CS: Data Structures & Algorithms, OOP, Operating Systems, Computer Networks, DBMS
Soft Skills: Team Management, Collaboration, Adaptability



PROJECTS

- **Moneko – AI-Powered Personal Finance Tracker**   February 2026 - Present
 - o Architected and delivered a **scalable Android finance tracking application** using Kotlin and **MVVM architecture**, enforcing clean separation between UI, business logic, and data layers to improve maintainability and testability.
 - o Optimized the local data layer with **Room (SQLite)**, implementing indexed queries, category-based filtering, and efficient transaction aggregation for financial data.
 - o Leveraged **Kotlin Coroutines, Flow, and lifecycle-aware components** to build asynchronous, reactive data streams, ensuring responsive and memory-safe UI updates.

Tech Stack: *Kotlin, Jetpack Compose, Room (SQLite), Coroutines, Flows, Hilt*
- **Process Monitoring Dashboard**  March 2025
 - o Designed a **real-time Linux process monitoring dashboard** that displays active processes, CPU/memory utilization, and process states, along with support for runtime actions like terminate, suspend, and inspect.
 - o Developed a **high-performance native UI** using OpenGL and GLFW, layering ImGui to construct responsive, interactive monitoring panels with minimal rendering overhead.
 - o Implemented low-level system integration by interfacing directly with the **Linux /proc filesystem** and leveraging native utilities (ps, top, htop) to extract and analyze process metrics in real time.

Tech Stack: *C, C++, OpenGL, ImGui*

SUMMER TRAINING

- **CookClever**   June 2025 - July 2025
 - o Developed and deployed a **full-stack MERN application** enabling users to discover recipes and generate meal plans dynamically based on available ingredients, improving personalized food recommendations.
 - o Integrated **JWT-based authentication and authorization** using JWT and bcrypt, supporting secure user profile management.
 - o Implemented and documented **RESTful APIs** for efficient client-server communication, optimized MongoDB queries for performance, and ensured responsive UI updates through structured state management.

Tech Stack: *React.js, MongoDB, Node.js, Express.js*

CERTIFICATES

- **Cloud Architecting** - AWS Academy | [Credly](#) November 2025 - January 2026
- **MERN Stack Training Program** - Summer Training. | [Cipher School](#) June 2025 - July 2025

ACHIEVEMENTS

- Solved 400+ problems on **LeetCode**, achieving a **maximum rating of 1695**. | [LeetCode](#) March 2024 - Present
- Achieved a **maximum rating of 1162**. | [Codeforces](#) July 2024 - Present

EDUCATION

Lovely Professional University Punjab, India
Bachelor of Technology in Computer Science and Engineering; CGPA: 8.13 August 2023 – Present

CS DAV Bihar, India
Intermediate; Percentage: 76% April 2021 – March 2023

Arya Vidyapith Bihar, India
Matriculation; Percentage: 90% April 2020 – March 2021