

Ankit Kumar

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Education

Bachelor of Computer Applications (BCA) — CGPA: 8.4/10

DIT University, Dehradun, Uttarakhand

Aug 2023 – May 2026

Experience

Member of Technical Staff (Part-time)

Aug 2026 – Present

Stealth-Stage AI Startup (meetfolks.app) | Remote, India

- Built a React 19 + TypeScript app that recognizes people by their voice entirely on their own device, so voice data never leaves the user's phone.
- Built the FastAPI + Postgres backend that takes in audio, keeps a tamper-proof record of who said what, sends push notifications, and runs AssemblyAI speech-to-text and AI summaries in the background.

Open Source Developer

Feb 2025 – Mar 2026

Ceph Dashboard | Remote

- Contributed 4+ merged pull requests to Ceph, an enterprise-grade distributed storage platform with 30k+ GitHub stars, improving dashboard UX and accessibility.
- Fixed OSD chart alignment issues affecting rendering across multiple dashboard pages, improving visual consistency for end users.
- Improved accessibility by expanding notification click areas and refining Create button layout; collaborated with core maintainers through code review cycles to production standards.
- Applied to Google Summer of Code 2025 with Ceph; selected as a contributor candidate and reviewed by Ceph mentors (dashboard architecture proposal).

Projects

SourceSphere — AI-Powered Codebase Explorer

github.com/ankitk18/SourceSphere

Next.js, TypeScript, Three.js, Transformers.js

- Built a privacy-first codebase explorer with AI-powered semantic search and 3D visualization; all embeddings computed locally in the browser, requiring no server.
- Implemented drag-and-drop folder upload, a cross-platform CLI with one-line installer, and swappable embedding providers (local Xenova models, OpenAI-compatible APIs).

Business Administration ERP

github.com/ankitk18/Business-Administration

Next.js, TypeScript, Prisma, PostgreSQL

- Built an ERP prototype for a real business with role-based access control spanning meetings, employee leave management, and project tracking; designed a Prisma data model with role-specific dashboards for admins and staff.

Technical Skills

- **Languages:** Python, TypeScript, JavaScript, Java, C, SQL
- **Frontend:** React 19, Next.js, HTML/CSS, Tailwind CSS, Three.js, Vite, Zustand, Web Audio API, PWA/Service Workers
- **Backend:** FastAPI, Node.js, REST APIs, Socket.io, WebSockets, Prisma ORM, SQLAlchemy 2, Pydantic v2, Alembic
- **Databases:** PostgreSQL, MongoDB
- **AI/ML & Speech:** PyTorch, ONNX / ONNX Runtime Web, faster-whisper, speechbrain, librosa, scipy, Transformers.js, OpenAI API, Anthropic Claude API
- **Cloud & DevOps:** AWS S3, Cloudflare R2, Docker, Railway, Git, GitHub, CI/CD, Vitest

Certifications

Responsive Web Design

freeCodeCamp

- Built responsive, accessible web interfaces using HTML5, CSS3, Flexbox, and Grid.

JavaScript Algorithms and Data Structures

freeCodeCamp

- Covered ES6, DOM manipulation, OOP, and functional programming; solved algorithmic challenges.

Back-End Application Development

Coursera

- Completed certification on Django, REST APIs, and MongoDB; built RESTful backend services.