

BHARAT KASHYAP

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EDUCATION

- **Thapar Institute of Engineering & Technology** 2016 - 2020
B.E. Computer Engineering CGPA: 9.50/10.0
 - Officially ranked 20th in Indian engineering institutions
 - Thrice awarded "Merit Scholarship" (25% tuition waiver) for extraordinary academic achievement
- **Delhi Public School R. K. Puram** 2000 - 2014
 - Received the G. Bhaskar Memorial Award for best all-round student in Class XII

WORK EXPERIENCE

- **MUI** Mar '23 - present
Senior Full Stack Developer *Next.js, Node.js, Typescript, Docker, GitHub Actions*
 - **Full-stack Components**
 - * Owned the addition of **2** new full-stack components to MUI's component suite: **SignInPage** and **Account**, growing from 0 to ~ **150k+** **downloads** per month on NPM: [Demo](#) [GitHub](#)
 - **Automatic Contributor Payouts**
 - * Built a portal used by MUI's operations team for the automation of monthly payments to **100+** **open source template contributors** worldwide
- **MUI** Nov '21 - Mar '23
Full Stack Developer *Next.js, Node.js, Typescript*
 - **Low-code internal tool builder**
 - * Implemented MySQL, Google Sheets, and PostgreSQL datasources for creating and previewing queries through **Next.js**, **auth.js**, **react-query**, and a **Prisma + PostgreSQL** backend
 - **Live Demos**
 - * Added live editing capabilities to all demos on MUI's documentation website, used by **1M+** annual users, leading to **2.1x** more code being copied from our docs
 - * Achieved **20x faster builds** through migrating from **Babel** to **Sucrase** and **react-runner** for compiling editable demos: [Demo](#) [GitHub](#)
- **Samagra** May '20 - Nov '21
Software Engineer I *Next.js, Node.js, Python, PostgreSQL, MongoDB, GraphQL, GitHub Actions, Docker*
 - **PDF Generation**
 - * Built a **Node.js** and **cheerio** HTML-to-PDF generation service deployed in India's national education infrastructure, used by **1M+** school students for online exams [GitHub Client](#) [GitHub Server](#)
 - **WhatsApp Chatbot**
 - * Used WhatsApp APIs to build an employment support chatbot used by **300k+** job seekers
 - * Wrote and executed **Python** scripts for **PII Encryption** across a MongoDB cluster with **10M+** records to comply with government data protection and privacy requirements
 - **Device Donation**
 - * Built and deployed a **Next.js** front-end and a **Node.js + GraphQL** backend used by government employees to verify **3k+** smartphone donations and generate certificates using **Puppeteer** [Press](#) [GitHub](#)

INTERNSHIP EXPERIENCE

- **Atlan** May - Jun '19
Frontend Intern *Vue, Python, Next.js*
 - **Media Gallery**
 - * Migrated the existing **Backbone** codebase to **Vue.js** and added **video previewing, audio streaming** capabilities to Atlan's data collection SaaS used across **200+ countries by 50k+ users**
 - **DISHA**
 - * Refactored the frontend codebase for a data visualisation and monitoring dashboard used by **500+ Indian parliament members**
 - * Built an inspection feature allowing users to pinpoint the exact data source and transformation from **billions of Airflow data ingestion events** used to create charts to comply with security audit requirements: [Demo](#)

SELECTED PROJECTS

- **Civic Tech Field Guide** Jan '22 - present
Full Stack Consultant *Go, AWS*
 - **Automated screenshot capture**
 - * Built Go scripts to migrate **5k** records and automate ongoing screenshot capture and storage in AWS S3 for a large non-profit entity: [GitHub](#)
- **Formula Student** July '17
Data Acquisition Engineer *Angular, Node.js*
 - **Vehicle telemetry capture**
 - * Programmed an Arduino Microcontroller to send **3 sensor readings per second** to a Node.js backend and visualise them using an Angular dashboard
 - * Won **6th position at Formula Student Italy, 2017**

SELECTED HONOURS

- **Hasura** Sep '22 - present
Open-Source Champion
 - Chosen as a "GraphQL community champion" due to open-source contributions to Hasura's GraphQL to React connector: [GitHub](#)
- **GraphQL Asia 2021** Feb '21
Speaker
 - Youngest speaker at GraphQL Asia 2021, talking about using GraphQL for low-code platforms based on experience of implementing reforms across three large Indian states: [YouTube](#)
- **React Foo Pune 2020** Feb '20
Speaker
 - Youngest speaker at ReactFoo Pune 2020, talking about modernising a large production Backbone app to Vue, iteratively: [Link](#)
- **HackMIT** Sept '19
1st position
 - Built the Node.js backend to manage transactions for Argonaut, a cryptocurrency-based data marketplace: [GitHub](#)