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** $\sim 2years$
  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 **50k+ 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** $\sim 1.5years$
  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** $\sim 1.5years$
  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, Nuxt.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](#)*