Akash Sharma

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EDUCATION

- **Jaypee Institute of Information Technology** — Noida, India
  Bachelor of Technology - Computer science and engineering; CGPA: 8.0/10.0 — 2017 - present
  Courses: *Operating Systems, Data Structures and Algorithms, Computer Networking, Databases, Object oriented programming*

- **Saint Soldier Public School** — Jaipur, India
  Intermediate - 12th; Percentage: 85.2% — 2016
  High School - 10th; CGPA: 9.0/10.0 — 2014

SKILLS SUMMARY

- **Languages:** Python, C, C++, SQL
- **Programming:** Data structures and algorithms, problem solving
- **Soft Skills:** Leadership, Event Management, Public Speaking

WORK EXPERIENCE

- **Emproto Technologies** — Remote
  Backend Developer (Intern) — *April 2020 - June 2020*
  - **Content update dashboard**: Reduced manual work of updating content in the website by creating a time efficient internal dashboard for changing content via forms/JSON.
  - **Designed website**: Designed and implemented client side website with improved graphics and user interactions.

PROJECTS

- **Web API maker - mobile app and VSCode extension**:
  - . . . Built an application to empower users in making a web API without writing a single line of code.
  - . . . Details needed from users are number of tables, their details and the courses for regulating data in tables via the mobile app.
  - . . . Downloading of the project is made easy by the extension which fetches your projects and installs the all necessary thing.
  - . . . Tech stack used: React Native, Javascript, Python, Django, MySQL. (June - July '20)
- **Collaborative text document sharing application with Version control system, Real time change consistency and text correlation highlight**:
  - . . . Created an web application that can create a shareable text document.
  - . . . Changes are reflected to all the users accessing a document in real time.
  - . . . The application incorporates Branch creation, history, rollback, merge, push and pull.
  - . . . Conflict resolution is done by means of text correlation highlight which shows contrasts between two variants of a report
  - . . . Tech stack used: Python, Javascript, Django, Postgres. (Nov '19 - Feb '20)
- **Factor Analysis and Hotspot visualization application**:
  - . . . Built an application for visualization of hotspots and analysing factors responsible for the formed distribution of data.
  - . . . Input data includes the list of coordinates (activity and factors) in a region.
  - . . . Measured significance of statistically detected hotspots via Monte Carlo simulations.
  - . . . Comparative factor influence report is built indicating the percentage of influence for each factor.
  - . . . Tech stack used: Python, Javascript, Django, Postgres. (Sept - Nov '19)
- **Metro Information Application**:
  - . . . Designed a C++ application that takes 2 stations one source and one destination as data sources and demonstrate you the course to be tracked with separation between two stations, time required, toll and station exchanges. (May - June '19)
- **Nokia Snake Game Visualizer**:
  - . . . Designed a C++ console based snake game based on operations and Loop detection in Linked List. (June '18)

HONORS AND AWARDS

- 2020   Cleared all 5 levels   Google Foobar
- 2019   29th Place / 2765   Codersbit 2.0 — Interview bit
- 2020   2th Place / 270   Knuth Cup — JIIT
- 2019   20th Place / 1865   April Cook off — Codechef
- 2019   Given Lectures on DSA   MNIT Jaipur

CERTIFICATIONS

- **CodeChef Advanced Level Certification**: Cleared advanced level certification exam in data structures and algorithms

POSITION OF RESPONSIBILITY

- **Knuth Programming hub** — Coordinator
  Conducted competitive programming contests & workshops impacting 1st-4th year students. — *July 2019 - present*

- **IEEE Student Branch JIIT** — Coordinator
  Organized events, conducted workshops and delivered lectures on programming. — *July 2019 - present*

PUBLICATIONS

- **Article: Dynamic/Implicit Segment Trees**: Geeks for geeks