

Akshit Kumar

Résumé

'But man is a frivolous and incongruous creature, and perhaps, like a chess player, loves the process of the game, not the end of it.' – Fyodor Dostoyevsky

Education

- 2021– **B.Tech in Computer Science and MS in Computational Linguistics (by Research)**
International Institute of Information Technology, Hyderabad
- 2019–2021 **All India Senior School Certificate Examination**
Delhi Public School, RK Puram

Experience

Research

- 2023– **Undergraduate Student Researcher**, *Language Technologies Research Center*, IIT Hyderabad
I work on parsing natural language (with an emphasis on Indian languages) under Prof Parameshwari Krishnamurthy.

Work experience

- 2024– **Google Summer of Code participant**, Haskell, *Haskell language server*
Working on improving the HLS test suite by making it faster and reducing flakiness.
- 2023 **Software Developer**, Pure Earth Foundation, Hyderabad
Wrote backend and frontend code for a mobile app designed to collect data from cut-off rural areas.
- 2021 **App developer**, Exun, DPS RKP
Wrote and deployed an android/iOS app used by a thousand users over the course of a week.

Projects

- 2024 **Racket Compiler**, *Compilers course project*
Wrote a compiler in racket for a strictly typed language.
- 2023 **Network File system**, *OS course project*
Wrote a network file system from scratch in C supporting parallel clients and storage servers.
- 2023 **aksh**, *OS assignment*
Fully functional shell from scratch in C with piping and I/O redirection support.
- 2023 **xv6.01**, *OS assignment*
A slightly better xv6 (toy operating system).
- 2022 **Reddit clone**, *Software systems course project*
Software systems course project, written in typescript on the MERN stack.

Miscellaneous

- Emacs Lisp Used for *configuring* my text editor.
- Python Worked with PyTorch for NLP assignments and projects.

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