Nikhil Kumar Singh

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LinkedIn Github

EDUCATION

- **Delhi Technological University** — Delhi, India
  B.Tech in Computer Engineering; GPA: 8.41/10.0 — *2015 – Present*

- **Kendriya Vidyalaya, Sector-8, Rohini** — Delhi, India
  High School, Science; Grade: 97% — *2013 – 2015*

EXPERIENCE

- **Amazon** — Bangalore, India
  Software Development Intern — *May 2018 - July 2018*
  - Worked with Fast Data Technology Team on Data Reconciliation and Fast Data Pipelines.
  - Implemented cloning functionality and various UI validations for Data Reconciler Subscriptions.
  - Improved performance of a *Staged Records Reader* plugin by 40% using multithreading.
  - Hands-on experience with several AWS products like SQS, S3, Kinesis, DynamoDB, CloudWatch, etc.

- **Halanx** — Delhi, India
  Backend Developer — *July 2017 - June 2019*
  - Develop and maintain the entire back-end built using Django Web framework.
  - Actively manage, improve, and monitor cloud infrastructure on AWS.
  - Build tools and strategies for data collection, analysis and visualization.

- **Coding Blocks** — Delhi, India
  Python Mentor — *June 2017 - Present*
  - Teach Python programming from basic to intermediate level.
  - Mentored 2 open source proejcts under *Bountiful Open Source Summer*(BOSS), 2017.

- **GeeksforGeeks** — Delhi, India
  Content Writing Intern — *Dec 2016 - Aug 2017*
  - Wrote several articles on different applications of Python. Successfully published 30+ articles.
  - Won **Geek of the month** award for the month of *January, 2017*.

PERSONAL PROJECTS

- **Old YouTube**: Web App to search YouTube videos on any topic from oldest to newest.
- **IPLQE**: Web based Query Engine for Indian Premiere League(IPL) ball-by-ball data.
- **pyinrail**: Open source python library for Indian Railways Enquiry.
- **RemotePy**: Open source cross-platform remote-desktop sharing application.
- **ctdl**: Open source python library to download content on any topic from web in bulk.
- **Mycodebot**: A messenger bot who can compile and run given code on messenger chat itself.

RESEARCH PROJECTS

- **Single-Document Summarization Using Sentence Embeddings and K-Means Clustering**: Paper accepted at *IEEE ICACCCN, 2018* conference.
- **Supported Matrix Factorization using Distributed Representations for Personalised Recommendations on Twitter**: Article published in *Computers & Electrical Engineering Journal (Volume 71, October 2018), Elsevier* .

AWARDS & HONORS

- **Won 1ˢᵗ position @ HackIIITD [2018]**: Annual hackathon of IIIT-Delhi's techfest, Esya.
- **Won 3ʳᵈ position @ ProGeek Cup 1.0 [2017]**: A Project Competition by GeeksforGeeks.
- **Merit Certificate**: Certificate of Merit by CBSE for outstanding academic performance and for being among top 0.1 percent of successful candidates in Mathematics and Physics.

EXTRA-CURRICULAR ACTIVITIES

- **YouTuber**: Maintain a YouTube channel **Indian Pythonista** where I post programming tips, tricks and hacks.
- **Blogging**: Maintain a personal blog **Indian Pythonista** where I write about Python and data science related stuff.