VIKUL KUMAR

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EDUCATION

- **Indian Institute Of Technology** — Patna, India
  Master of Technology - Computer Science and Engineering; GPA: 7.88 — *July 2020 - June 2023*
- **Dr. Ambedkar Institute Of Technology For Handicapped(Gov. College)** — Kanpur, India
  Bachlour of Technology - Computer Science and Engineering; Percentage: 67.76% — *Aug 2013 - June 2017*
- **Lala Jagdish Prasad Saraswati Vidya Mandir** — Muzaffarnagar,India
  Intermediate;Percentage:77.20% — *July 2012 - June 2013*
- **Lala Jagdish Prasad Saraswati Vidya Mandir** — Muzaffarnagar,India
  High school;Percentage:78.16% — *July 2010 - June 2011*

Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Data Science,Computer Security,Deep Learning,Cloud Computing,Blockchain and Cryptocurrency,Natural language processing*

INDUSTRIAL TRAINING AND INTERNSHIP

- **Internship at Adobe System** — Remote
  Intern (Full-time) — *July 2018 - November 2018*
  - **I have done Internship as a Product Intern from Adobe System Company. Work on Jira,Selenium and acrobat reader cloud**:
- **Training at HCL CDC** — Remote
  (Full-time) — *May 2016- June 2016*
  - **Project Course - a group chat application using MulticastSocket (Java Platform SE 7) class is discussed. A MulticastSocket is a (UDP) DatagramSocket, with additional capabilities for joining "groups" of other multicast hosts on the internet**: Tech-Java,Socket Programming,AJAX,HTML,CSS,JavaScript

PROJECTS

- **Vison - multimedia search engine (NLP, Search Engine, Web Crawlers, Multimedia Processing)**: (Work in progress) Research oriented, open source, search engine for bringing reverse multimedia search to small & mid scale enterprises. Tech: Python, NodeJS, Intel OpenVino Toolkit, Selenium, TensorFlow (October '21)
- **Security System for DNS using Cryptography(July 2016-June 2017)- The DNS Security is designed by CSE Final year students using java programming to provide security by combining the concept of both the Digital Signature and Asymmetric key (Public key) Cryptography. Here the Public key is send instead of Private key. Tech: Java, Message Digest Algorithm to compress the Message(text file) and PRNG(Pseudo Random Number Generator) Algorithm for generating Public and Private key.)**.
- **Machine Learning miniprojects (July 2021) - Implemented different machine learning algorithms like Kmeans, Kmedoid, Heirarchical and DBSCAN clustering on multiple datasets along with their comparisons. Tech:Python**.
- **Artificial Intelligence miniprojects (July 2021) - Implemented different AI search techniques like Best First Search, A*, Hill Cimbing and Simulated Annealing for solving the 8-puzzle problem.Tech:Python**.
- **Deep Learning based Real Time Object Recognition for security in Air Defense(July 2022- 23). Tech: Python,Cloud,OpenCV**.
- **Object detection for low- resolution image using GAN-Yolo V4 for UAV aerial images data-set(July 2022- 23). Tech: Python,Cloud,OpenCV**.

SKILLS SUMMARY

- **Languages**: Python, PHP, C++, JavaScript, SQL, C, JAVA,Shell script,Perl
- **Frameworks**: Scikit, NLTK, SpaCy, TensorFlow, Keras, NodeJS
- **Tools**: Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite
- **Platforms**: Linux, Web, Windows, Arduino, Raspberry, AWS, GCP, Alibaba Cloud, Google Cloud
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

ACHIEVEMENTS

- I have participated in the Online Workshop on Intelligent Edge Computing for Cyber Physical System and Cloud Computing conducted by IIT Patna during 4th March2022 - 6th March 2022.
- I have qualified Gate in 2020.
- Runner's Up at Facebook Developers Circle Hackathon - August, 2017.
- I have done computer diploma course CCC in 2018 and O level in 2020.
- Quantum Computing Course May 2023 by CDAC IITR

VOLUNTEER EXPERIENCE

- **Served as a Community Lead at Developer Student Clubs in DR. AITH, KANPUR** Kanpur, India
  Conducted online and offline technical & soft-skills training impacting over 3000 students. *Jan 2015 - 2017*
- **Served as a TPC coordinator in TPC Cell, IIT Patna** Patna,India
- **Served as an Executive of Computer Society of India in DR. AITH, KANPUR** Kanpur, India
  Organized events, conducted workshops and delivered workshops reaching over 7000 developers. *Jan 2015 - 2017*