

Manish Kumar

Phone: +91 7056008581

Email: manish-1004@outlook.com

LinkedIn: <https://www.linkedin.com/in/manish1004/>

Github: <https://github.com/gods-mack/>

Address: VPO Sehore, Kanina, Haryana – 123027

Educational Qualifications:

Year	Degree/Certificate	University/Board	Marks obtained
2017-21	B.E.(Hons) Computer Science Engineering	Chandigarh University, Mohali (Punjab)	6.7 / 10
2016	Senior Secondary (12th)	HBSE	69%
2014	Secondary (10th)	HBSE	84%

Industry Experience:

- **Software Engineer, Happay (acquired by CRED)** (Aug 2022 - Present)
 - Working in the Travel Team on Backend operations.
 - Developed Delegation Workflow for Travel-Product backend.
- **SDE-II, Kafka** (Apr 2022 - Jul 2022)
 - Worked in Customer-acquisition team, integrated free trial booking system.
 - Improved internal dashboard filters for the marketing team to visualize analytics.
 - Fixed payment-gateway related bugs.
- **Software Developer, KinderPass** (Apr 2021 - Apr 2022)
 - Integrated various payment gateways (Razorpay, Stripe, Android/iOS) in backend.
 - Development of push notification handler API.
 - Implemented full DB Schema for course architecture.
 - Handled entire Backend operations Deployment, Server Configuration, Database Repli. etc.
 - Implemented Redis cache to API responses.
 - Optimized and reduced various API's response time by optimizing DB queries.
 - Development of pre-recorded video API-feature.
 - Development of backend microservice for **KaiOS(Jio Phone)** support.
 - Implemented Logger to capture backend events.
 - Implemented MySQL database table with Django ORM.
 - Worked on production level backend Bugs (Referral process, timezone issue) and Cronjob.

Tech Stack - Flask, Django, MySQL, MongoDB, Redis, Nginx, AWS
- **Backend Engineer Intern, Shunya Inc.** (Feb 2021 - Apr 2021)
 - Worked on OCR track and developed backend microservice APIs.

Technical Skills:

- **Programming Languages:** C, C++, Python, Golang
- **Tools:** GDB/PDB, MATLAB/Octave, Git, Arduino IDE, Celery
- **Frameworks:** Django, Pandas, OpenCV, Redis, Flask-RESTful

Certifications:

- **Algorithms: Design and Analysis** - Stanford Online (Lagunita)
- **NAND2TETRIS** - The Hebrew University of Jerusalem (Coursera)
- **Fundamental of Database Engineering** - by Hussein Nasser (Udemy)

Projects:

- **EagleOS** (Dec 2020 - Present): Developing a 32-bit tiny OS having support for timer IRQ, Hardware/Software Interrupt handler, paging, and **keyboard/screen device driver**.
- **NAND2TETRIS** (June 2020 - Present): Build a Modern Computer from first principles: From NAND gate to Tetris. Implemented **16-bit ALU** and assembler.
- **Online auction** (Nov 2019): Developed backend for an online auction website having support for user authentication and real-time database using **Django framework**.
- **Vision** (Oct 2019 - Dec 2019): All-in-one computer vision mobile application using Google Firebase MLkit and Dart (Flutter).
- **Arduino object-detection** (Jan 2019 - Feb 2019): Developed an object detection project using **Arduino board** and **ultrasonic sensor**.
- **Car-race mini game** (July 2019 - July 2019): Developed a car race mini-game using Python's Pygame library.

Technical-Interests:

- Data Structure and Algorithms
- Operating System
- Systems Programming
- Distributed Systems

Extra-Curricular Activities:

- Intel Edge AI Scholarship Winner on Udacity.
- 3 Star (best Rating 1633) **CodeChef** Rating (manish_sharma1).
- **Secured** Global Rank 3126 out of more than 29000 users in Codechef July Challenge.
- Developed a quiz application (which is globally available) for Google Assistant.
- Contributed to **Github Hacktoberfest** 2019 online open-source contribution event.
- Participated in DAVINCI Hackathon and developed a firearms detection application.