

SHIVAM DONGRE

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EXPERIENCE

Amdocs

Pune, India

Software Engineer (Full Stack)

August 2019 - Present

- **OMS:** Managed individual project priorities, deadlines, and deliverables
- **Data Migration Tool:** Improved complexity of core algorithm by 40%. This tool helps in validating migrated data before feeding into OMS.
- **MCSS:** Improved Api timeout by introducing compression techniques, resulting in a much better user experience.
- **Tech Stack:** Java, Spring, Oracle DB, REST

IndoriCart

Indore, India

Software Engineer & Co-founder

August 2016 - Feb 2018

- **Co-founder:** Raised money from various vendors and grew user base by 20%.
- **Backend Engineer:** Responsibilities include design and code reviews.

EDUCATION

Institute of Engineering & Technology

DAVV, Indore

Bachelor of Engineering in Computer Engineering

June 2019

Thesis: Hand Written Text Recognition

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Computer Networks, Machine Learning, Database Management Systems, Entrepreneurship, Data Mining & Introduction to Data Science

PROJECTS

- **Price Tracker:** An application to track product prices on e-commerce platform.
 - Successfully developed a Price Tracker trained to analyze the pricing strategy of all major E-Commerce giants.
 - Created a transparent medium for customers to have clear insights into their purchasing decisions and save money by 50%.
 - Tech Stack: Python, Django, REST, MongoDB, Machine Learning
- **Amazon Scraper:**
 - Introduced a Scraper which scrapes 50k+ books listed over [Amazon](#).
 - Achieved 99% accuracy while scraping [Amazon](#) without getting blacklisted.
 - Tech Stack: Python, Scrapy, Django, REST, MongoDB
- **Hand Written Text Recognition:** A minimalistic model which can easily be trained on CPU
 - Implemented a neural network which consists of CNN layers, RNN layers, and a CTC layer.
 - Achieved maximum character validation error rate 10.624916%.
 - Tech Stack: Python, Flask, REST, Numpy, Pandas, Scikit-learn
- **Real-Time Traffic Management System:** Proposed an idea for reducing travel time via BRTS
 - Proposed and designed a scalable solution architecture which handles several hundred logs per second while consuming low system resources.
 - The proposed architecture involved various open source tools, involving Raspberry Pi, which were hooked together as a unified product.
- **Career Dendrogram:** Successfully built a career guidance platform which helps in choosing and exploring various career paths based on individual's interest

ADDITIONAL EXPERIENCE & ACHIEVEMENTS

- Qualified for the grand finale and stood amongst top 8 participants in the **SMART INDIA HACKATHON 17** held at Noida
- Top geek at the campus **Institute of Engineering & Technology** on **GeeksforGeeks**
- Geek of the month at **GeeksforGeeks**
- Stood amongst top 3% students in the **Joint Entrance Examination**, conducted by **Indian Institute of Technology**
- Stood amongst top 1% participants in the **HACKWITHINFI 18** organized by **INFOSYS**
- Volunteered at **Engineers Without Borders** and was rewarded for innovative ideas
- Winner of state-level **Science Olympiad** held at **Madhya Pradesh**

SKILLS

- **Languages:** Java, C++, Python, SQL, JavaScript
- **VCS:** Git, Perforce
- **Frameworks:** Django, Express, Spring-boot
- **Platform:** Linux, Windows
- **Documentation:** UML