SHIVAM DONGRE

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EDUCATION

Institute of Engineering & Technology   DAVV, Indore
Bachelor of Engineering in Computer Engineering GPA: 3.4/5.0   *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

SKILLS

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

EXPERIENCE

Amdocs   Pune, India
Software Engineer (Full Stack)   *August 2019 - Pressent*
  - **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.

Icon-Computers   Nagpur, India
Software Engineering Intern (Web Development)   *May 2018 - June 2018*
  - **GST**: Built and scaled a system for better understanding of GST on collaboration with the development team
  - **Instructor**: Organized masterclasses data structures and algorithms
  - **Strategist**: Introduced various strategies and built some scalable solutions while working with the management team

IndoriCart   Indore, India
Software Engineering Intern   *May 2016 - July 2016*
  - **Team Lead**: Django Development team

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%.

- **Amazon Scraper**:
  - Introduced a Scraper which scrapes 50k+ books listed over Amazon.
  - Achieved 99% accuracy while scraping Amazon without getting blacklisted.

- **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%.

- **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 Dedrogram**: 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**
- 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**