

## SARTHAK PARAKH

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### EDUCATION

#### Bachelor of Technology - Computer Science & Engineering

Acropolis Institute of Technology & Research, Indore (M.P) – RGPV

2017 - 2021

CGPA: 8.89/10.0

### IT SKILLS & TOOLS

Languages	: C, C++, OOPs, Python, Java
Web Technologies	: HTML5, JavaScript, CSS, Bootstrap
Frameworks	: Spring, Django
Database	: Oracle (PL/SQL), MySQL, Data Structure
Operating Systems	: Windows, Linux
Tools	: Eclipse, NetBeans, SQL Developer, Jupyter Notebook, Google Colab, VS Code, GitHub, Postman

### WORK EXPERIENCE

#### Software Engineer, Persistent Systems, Nagpur

July 2021 - Present

##### Project: IBM Telco Network Cloud Manager & IBM Tivoli Netcool Performance Manager

- Worked on customer enhancement requests and user stories.
- Debugged and analyzed various defects reported by customers for the product and provided respective solutions with code fixes.
- Involved in writing scripts, functions for query optimization in improving database performance of the product.
- Developed an API-file-based SD-WAN monitoring solution.
- Provided patch release with additional functionality updates with manual testing to increase efficiency and accuracy.
- Worked in agile methodology and cross functional team.
- Technology & Tools – Java – Struts, Scala, JavaScript, jQuery, HTML, CSS, Oracle – Database, MySQL, Postgres, CarbonData, Cassandra, NiFi, Docker, Kubernetes, Jenkins, IntelliJ, SSH, Build Forge, Eclipse, Postman, Hyper-V.

#### Academic Intern, Persistent Systems, Nagpur

January 2021 - July 2021

- Worked as intern cum trainee, received training on GIT, Agile, DevOps, SQL, Java, Spring Boot, Hibernate, and Object-Oriented Programming.

##### Project: Hospital Bed Reservation:

- Application website to help COVID patients book & find availability of a bed in hospitals using spring boot and MySQL.
- Worked on Wireframes (Figma) and UI development along with Data normalization and database connectivity.
- Technology & Tools - Java - Spring Boot, HTML CSS, JavaScript, Thyme Leaf, MySQL, Eclipse

### PUBLICATIONS

- Sarthak Parakh, Mohd. Shaikhul Ashraf, Nandita Tripathi, Kumud Pant, Md. Sakil Ansari, Poonam Negi “**Detection of Bell Pepper Crop Diseases Using Convolution Neural Network**” *IEEE Conference (Accepted) - International Conference on Technological Advancements in Computational Sciences (ICTACS)*
- Sarthak Parakh, Shivam Goyan, Somya Jain, Kavita Namdev “**Extractive Text Summarization Techniques**”, *International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue:05, May 2021*

### ACADEMIC PROJECTS

#### Epitome: Let's Make It Easy: Python - Django, NLP, HTML, CSS, JavaScript, PHP, VS Code

- Application to generate summaries of live as well as recorded meetings/classes using NLP text summarization algorithm.
- Developed a text preprocessing model which further works on text frequency over a document along with user groups.

#### Identification of Plant Diseases: Python: Python - Deep Learning – TensorFlow, Keras, OpenCV, Google Colab

- Application to identify plant diseases & suggest a cure for the disease using CNN image classification technique using OpenCV.
- Developed an image classification neural network with potato crop diseases dataset with 85% accuracy.
- Worked on dataset acquisition and data preprocessing and training CNN model.

#### Attendance Management: Python - Deep Learning, OpenCV

- Application using face recognition to mark attendance using image classification method.
- Calculated attendance over excel sheet with in and out time of an individual after successful facial recognition.

## **COURSES & CERTIFICATION**

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- Coursera – Neural Networks & Deep Learning, AI, Python, Computer Networking, Software Development, Data Science
- Google Analytics Academy – Beginner & Advanced Google Analytics
- Microsoft Technology Associate - HTML5 Application Development Fundamentals & Database Administration Fundamentals
- AWS - training and certification - Data Analytics Fundamentals
- SCRUMstudy - Scrum Fundamentals Certified
- Others – Cloud Computing, IoT, Entrepreneurship & Innovation

## **LEADERSHIP & ASSOCIATIONS**

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**Senior Advisor, Entrepreneurship Development Cell, Acropolis** **2020 - 2021**

- Selected & guided the new team from the experience of Co-Leader and helped them to promote and align the streak of entrepreneurship and in organizing various events.

**Co-Leader, Srijan Entrepreneurship Cell, Acropolis** **2019 - 2020**

- With the role of Co-Leader, I lead a team of 25 members. My responsibilities included planning the calendar for the year, designing & conducting central E-Cell events, delegations of roles and responsibilities, connecting speakers and facilitators, fostering entrepreneurship & its awareness, proper functioning of the team, conducting weekly meetings & team building activities.

**Member, Srijan Entrepreneurship Cell, Acropolis** **2018 - 2019**

- Got multiple opportunities to participate in various sessions, workshops, competitions, and summits.
- Got a chance to start and run a sustainable venture for 3 days by investing a dollar and got 4000 INR ROI.

## **ACHIEVEMENTS**

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- Finalist - National Innovation Contest 2020 organized by MoE's Innovation Cell, MHRD
- Semi-Finalist - 3M-CII Young Innovators Challenge Award 2020
- Nationalist - AICTE Chhatra Vishwakarma Awards 2019
- Won a trip to Singapore & chance to participate in International Start-up Enrichment Tour in a problem-solving competition at IIT Indore.
- Won 1<sup>st</sup> prize in Agile based software development 2019 in CSE Dept.

## **EXTRACURRICULARS**

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- Organized various entrepreneurial and social event during undergraduate program - virtual E-Summit Acropolis 2021, interview series of Srijan: Where Aspirations Take Flight 2020, E-Lead 2020 (E-Summit of Acropolis), Entrepreneurship Awareness Camp 2019 & Joy of Giving Week 2019 for Blind and Handicapped Youth
- Participated in Global E-Summit 2020 IIT KGP
- Participated in Serosoft Hackathon 2019
- Won Intra department Basketball tournament in Annual Sports Week of Acropolis 2018-19
- Participated in Indore World Summit MUN 2018
- Participated and won various competitions in school such as debate, extempore, mono-acting, crafts, sports and many more.