# Shayaan Zaka

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## EDUCATION

- **Birla Institute of Technology, Mesra** — Jharkhand, India
  *BTech in Computer Science; CGPA: 7.67* — *2018 – 2022*

- **St. Michael's High School** — Patna, India
  *Higher Secondary, XII; Percentage: 79%* — *2016-2017*

- **St. Michael's High School** — Patna, India
  *Secondary, X; CGPA: 9.2* — *2014-2015*

## EXPERIENCE

- **Ugam Solutions** — Bengaluru, India
  *Analyst* — *July 2022 - February 2023*
  - **Objective**: Utilized statistical techniques to interpret data, analyze results, and furnish ongoing reports. Developed and implemented databases, data collection systems, and analytics strategies, optimizing statistical efficiency and quality. Acquired data from primary and secondary sources, evaluated and built models for stakeholders, and drew conclusions by identifying patterns, complemented with graphical representation using visualization tools. Engineered and improved the JARVIS computer vision model, a proprietary cognitive computing system. Developed a declarative and efficient React and AWS-based UI employing a component-based approach. Implemented a convolutional CNN model for streamlined product image analysis, training the model on one million images to detect a thousand classes, addressing and rectifying miss-categorized listings.

- **Cognizant** — Bengaluru, India
  *Programmer Analyst Trainee* — *December 2021 - March 2022*
  - **Objective**: Collaborated cross-functionally to glean insights into product requirements, while designing and developing a software system in React with Redux, HTML, CSS, and Bootstrap, integrated with AWS cloud services. Proficient in project management and agile development using Jira for issue tracking and ensuring streamlined workflows.

## PROJECTS

- **Detecting Diabetic Retinopathy using Deep Learning**: Designed a deep learning model for diabetic retinopathy with 35,126 ocular fundus images, achieving 92% accuracy using CNN model and key packages like Matplotlib, Opencv and Tensorflow.

- **Twitter Sentiment Analysis**: Built a sentiment analysis model utilizing machine learning algorithms on tweets sourced from the Twitter API through Tweepy. Employed a machine learning pipeline with classifiers such as Logistic Regression and Bernoulli Naive Bayes, incorporating steps like sentence splitting, parsing, and polarity aggregation.

- **Sigma**: Engineered personalized Spotify playlist data visualizations using the Spotify Web API. Implemented a secure Express web server for user authentication and API requests, along with an interactive React webpage for customizable data exploration.

## PROGRAMMING SKILLS

- **Languages**: Python, Javascript, SQL, Java     **Technologies**: Excel, Tableau, React, Redux, AWS

## EXTRA-CURRICULAR ACTIVITIES

- **NPTIS-2020**: Proposed C2C and B2C business model for a logistics startup in a presentation to the Department of Industries, Govt. of Bihar, enabling consumers to place customized orders and track order status.

- **Literary Club**: Served as Vice President, orchestrating diverse multicultural literature events and overseeing the publication of the annual college magazine.

- **E-Sports**: Contributed to the University esports team, showcasing technical prowess in competitive gaming, participating in diverse occasions and competitions, and earning recognition for outstanding performance.