

Anindya Sundar Paul

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EDUCATION

- **MS in Informatics** Oct, 2018 – Present
Technical University of Munich Munich, Germany
- **BSc in Computer Science and Engineering** Jan, 2013 – Feb, 2017
University of Dhaka Dhaka, Bangladesh
 - Thesis: A Font Invariant Approach to Printed Bangla Character Segmentation for Deep Learning Based Recognition
 - CGPA 3.52 (Scale: Best = 4.00, Pass = 2.00)

EMPLOYMENTS

- **Software Engineer** Mar, 2017 - Oct, 2018
iPay Systems Ltd. Dhaka, Bangladesh
 - Participated in the whole development lifecycle – requirements analysis, solution design, development and testing, code review, and deployment.
 - Designed and developed new features such as two factor authentication, promotional offers, reporting for heterogenous data, etc. in various microservices.
 - Developed REST APIs and full stack projects using Spring and Django.
 - Developed event driven services using both custom and Groovy DSL.
 - Developed distributed asynchronous task processors with RabbitMQ.
 - Wrote bulk processing scripts and CLI tools using Python and Asyncio.
 - Developed data importer using Apache Spark to load data into Elasticsearch.
 - Managed builds and deployments using Docker and Jenkins.
 - Followed Scrum and delivered consistently in a fast paced start-up environment.

RESEARCH

- **Undergraduate Researcher, Bangla OCR Project** Jun, 2016 – Feb, 2017
Data Science Research Group, University of Dhaka Dhaka, Bangladesh
 - Primarily worked with C++, Python, OpenCV, Google Tesseract, Caffe
 - Identified key issues in printed Bangla character segmentation.
 - Studied and investigated Google's open source OCR engine Tesseract.
 - Set up deep learning environment using Caffe with NVIDIA gpu and CUDA.
 - Experimented with alexnet neural network with our own dataset of Bangla character images.
 - Worked on Tesseract's segmentation achieving an accuracy of over 95% which is an improvement of 6.88% over Tesseract for printed Bangla characters.

SKILLS

- **Programming:** Java, Python, C/C++, Spring, Django, Django REST Framework, Bootstrap
- **Technologies:** RabbitMQ, Redis, MySQL, PostgreSQL, Elasticsearch, Docker, Nginx, AWS
- **Communication:** Fluent English, Learning German, Native Bengali

PROJECTS

- **E-commerce Platform** – *Python, Django, Bootstrap Framework, MySQL, Apache Server*
 - Implemented language independent 3-tier architecture
 - RESTful communication between business layer and data layer
 - Built product catalog, shopping cart, user profiling
- **Route Finder** – *Python, Django, Bootstrap Framework, MySQL, Apache Server*
 - Find the best route to travel based on user's criteria (time/distance/fare)
- **Remote PC Controller** – *Java, Swing, Socket Programming*
 - Teamviewer replica, control one PC from another remotely through GUI
 - Built on top of TCP protocol using Java Sockets
- **Community Blog** – *Java, JSP, Bootstrap Framework, MySQL, Apache Server*
 - Dynamic content based community blogging platform
 - Social features including upvotes, following, etc.

ACHIEVEMENTS

- **Machine Learning Foundations at Coursera**
coursera.org/account/accomplishments/verify/2JWMKEYL2YGF
- **Codeforces Max Rating: 1824**
codeforces.com/profile/anindyaspaul
- **Champion – Inter University Programming Contest 2013** Team DU Irus
Organized by Jagannath University, Dhaka, Bangladesh
- **Gold Medals – International Assessment for Schools**
University of New South Wales
 - 2010 – Mathematics
 - 2008 – Computer Skills
 - 2008 – Science
 - 2007 – Computer Skills

ACTIVITIES

- Participated in many inter-university and online programming contests.
- Organized events like indoor games, freshers' reception, celebration of Bengali new year, etc. as executive member and treasurer of CSEDU Students' Club.
- Published magazines for the annual science fair and the cultural festival as editor of Josephite Cultural Forum and Scintilla Science Club.
- Won awards in Table Tennis, Football and Tabla.
- Running, Blogging , Gaming.

MISCELLANEOUS

- LinkedIn: [linkedin.com/in/anindyaspaul](https://www.linkedin.com/in/anindyaspaul)
- Github: github.com/anindyaspaul