

# Akshit Talwar

<https://atalw.github.io/>

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## ABOUT ME

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- **Languages:** Python, Swift, Java, Javascript, C++, SQL, PHP
- **Technologies:** AWS, Xcode, Unix, Git, Firebase, Vim,  $\text{\LaTeX}$
- **Interests:** Philosophy, psychology, fitness, weightlifting, writing, cryptocurrencies

## EDUCATION

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### University of St. Andrews

*Bachelor of Science (Hons) in Computer Science; Direct 2<sup>nd</sup> Year Entry; Result: 2:1*

St. Andrews, Scotland

*Aug. 2014 – June. 2017*

### Bluebells School International

*CBSE Physics, Chemistry, Math, English & Computer Science; Result: 93%*

Delhi, India

*April 2008 – May 2014*

## EXPERIENCE

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### Freelance

*Web Developer*

Bengaluru, India

*Dec. 2018 - Present*

- **Charcoal:** Hand-coded premium responsive website ([www.charcoal.design](http://www.charcoal.design))
- **ElmTreeOrganics:** Responsive Wordpress E-commerce website ([www.elmtreeorganics.com](http://www.elmtreeorganics.com))
- **Prasad Bidapa:** Responsive Wordpress website ([www.prasadbidapa.com](http://www.prasadbidapa.com))

### Tutuowl Pvt. Ltd.

*CTO*

Bengaluru, India

*Sept. 2018 - Jan. 2019*

- **Work:** Managing the complete online presence of the company; Business development; E-commerce website, Amazon listing, and social media management.
- **Responsibilities:** Managing a team of 3 people, website development, digital marketing, and SEO.
- **Link:** [www.tutuowl.com](http://www.tutuowl.com)

### Cryptare - Crypto Portfolio

*Founder; iOS Engineer*

Delhi, India

*July 2017 - Aug. 2018*

- **iOS App:** Developed an investment portfolio management app for Cryptocurrencies with price alerts and news.
- **Responsibilities:** App development, backend, UI/UX, product management, and marketing.
- **Achievements:** Rank 8 on iOS app store paid chart; 500+ weekly users; 50+ active subscriptions at peak
- **Stack:** Swift, Firebase, Python, AWS, HTML, CSS, Photoshop
- **Download:** [itunes.apple.com/app/cryptare-crypto-portfolio/id1266256984](https://itunes.apple.com/app/cryptare-crypto-portfolio/id1266256984)

## RESEARCH DISSERTATION

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### Script Identification With Egyptian Hieroglyphs

*First class (90<sup>th</sup> percentile)*

April 2017

*St Andrews, Scotland*

- Extended an existing Hieroglyph OCR tool to distinguish between modern and ancient texts.
- A Convolutional Neural Network was implemented and optimised to classify the text.
- 96.875% accuracy was obtained using the model.
- Keras, Python, Java, C++,  $\text{\LaTeX}$
- [atalw.github.io/files/dissertation.pdf](https://atalw.github.io/files/dissertation.pdf)

## PERSONAL PROJECTS

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- **Mu:** Music discovery web-app using content aggregated from Youtube and Reddit; *Angular2, Typescript, NodeJs, MongoDB*; [github.com/atalw/mu](https://github.com/atalw/mu)
- **ChangeIndiaWithUs:** A forum where people could voice their opinions and a blog about unknown news articles; 1000+ daily active users at peak.
- **Github:** [www.github.com/atalw](https://www.github.com/atalw)

## AWARDS

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- **Innovation and Creativity Award 2014:** Bluebells School International
- **International Informatics Olympiad 2012:** International Rank 7
- **International Math Olympiad 2009:** School Rank 1
- **6 year scholar:** Bluebells School International